

The
CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

MAY 18 1957



ESSENTIAL OILS

English Distilled & Imported

US • SANDALWOOD • LAVENDER • LEMON
MEG • CLOVE • CARDAMOM • ORRIS
MINT • ANISEED • CINNAMON • GINGER

Send for our new Catalogue.

ALLEN & SONS LTD., WHARF ROAD,
N.I.
Phone: CLERkenwell 1000

Stills at Long Melford



StaffordAllens



formula for quicker recovery

When the body is subjected to serious stress, doctors prescribe STRESSCAPS stress formula vitamins Lederle to compensate for sudden depletion of essential nutrients — in particular, ascorbic acid and the B—complex vitamins. STRESSCAPS hasten recovery by providing nutritional supplementation in the following conditions: after surgery, gastro-intestinal diseases, severe infection, shock, fractures, injuries, burns etc. STRESSCAPS promote wound healing and stimulate antibody production. They are dry-filled sealed capsules for more rapid and complete absorption with no unpleasant after-taste.



Each capsule contains:

Thiamine mononitrate	10 mg.
Riboflavine	10 mg.
Niacinamide	100 mg.
Ascorbic acid	300 mg.
Folic acid	5 mg.

Bottles of 30 capsules

STRESSCAPS^{*}

* TRADEMARK

Stress Formula Vitamins



LEDERLE LABORATORIES DIVISION

Cyanamid OF GREAT BRITAIN LTD., London, W.C.2

P.A.S.

‘Rhodia’ Brand
SODIUM PARA-AMINO
SALICYLATE

IN ITS PUREST FORM

Ask for Sample & Quotation
from U.K. Distributors:

R. W. GREEFF & Co. Ltd.

GARRARD HOUSE
31/45 GRESHAM STREET, LONDON, E.C.2

Phone: MONarch 1066

Wires: Greeff · Cent · London

The Benefit of Codis

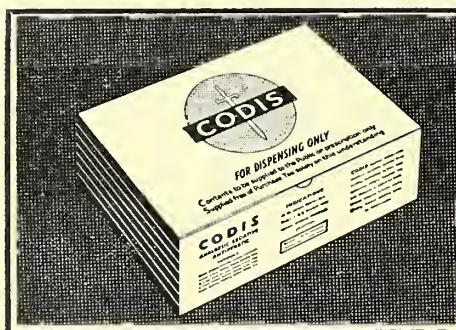
CODIS is a compound tablet that provides CODEINE and PHENACETIN with CALCIUM ASPIRIN which replaces the ordinary aspirin in tab. codein. co. B.P.

“CODIS” offers all the well-known therapeutic properties of tab. codein. co. B.P.—but greatly diminishes the chance of gastric upset caused by undissolved particles of ordinary aspirin in tab. codein. co. B.P.

This considerable benefit is becoming

increasingly known to doctors. Their confidence in Codis arises from their experience. Let their experience be your guide.

When your customers ask for codeine tablets, recommend Codis—the safest and the best.



COMPOSITION

Each Codis tablet contains:—Acid. Acetylsalicyl. B.P. 4 gr., Phenacet. B.P. 4 gr., Codein. Phosph. B.P. 0.125 gr., Calc. Carb. B.P. 1.2 gr., Acid. Cit. B.P. (Exsic.) 0.4 gr.

CODIS is not advertised to the public
(REGD.)

NEW SIZE DISPENSING PACK. (Purchase Tax Free.) 500 tablets in distinctive gold foils of 10 tablets each, 25/- per box.

PUBLIC SIZE. Pack of 20 tablets (in foil), 2/8 inc. P.T.

RECKITT & COLMAN LTD., HULL & LONDON (PHARMACEUTICAL DEPT., HULL)



PROFIT

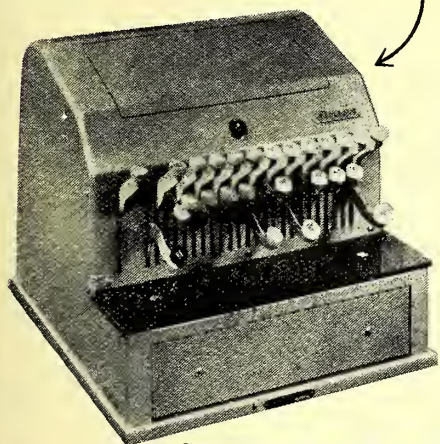
CHEMISTS THIS PUTS UP YOUR...

Here is a unique new machine designed to help you beat the credit squeeze. Yes, the Gross Cash Controller gives you fool-proof automatic records, new security, good looks and the immense advantages of having day-by-day accurate statistics to help you gauge and control the vital flow of business. And the price is phenomenally low—an all-time record for quality and sheer good value.

This new Gross Cash Controller is fully guaranteed and is **YOURS FOR ONLY £6 10s. 0d. per month.**



Automatic records at a glance.



Gross Construction is uniquely simple and ingenious.

Ask yourself these questions?

- | | YES | NO |
|---|--------------------------|--------------------------|
| 1. Do you need automatic records? | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Would daily turnover figures help you? | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Do you know how much mistakes are costing you? | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Would your business profit from maximum cash-handling security? | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Do you appreciate clean, functional design? | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Do you realise Gross machines can be supplied to match your own colour schemes? | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Would you like proof that an extra profit can result from using Gross automatic records correctly? | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Does the fact that this new Gross Controller costs less than half the price of similar equipment interest you? | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Would you like efficient financial control at a repayment rate of only £6 10s. 0d. per month? | <input type="checkbox"/> | <input type="checkbox"/> |

If you answer 'Yes' to more than three of these questions you should post the coupon at the foot of this page for full particulars of this "Miracle Machine".

PROFIT

Pin your card or letterhead here

GROSS
CASH REGISTERS

Hornsey, N.8. Mountview 8272

So easy to use, so hard to make a mistake. *

or fill in details below—today!

Please send me full details

NAME

COMPANY

ADDRESS

GROSS CASH REGISTERS LTD., HORNSEY, N.8.

CD2

'IMPACT' advertising
creating new sales records!

NERVONE

The New Nerve Nutrient

T.V. 'spots' on London and Midlands stations are now adding 'IMPACT' to the hard-selling press, poster and theatre campaign. Are your stocks of 'NERVONE' adequate?

OBTAINABLE FROM WHOLESALERS EVERYWHERE



Now -

NEW CONTRACEPTIVE

Unique Appliance for men, worn internally.

● Send now for—

INTRODUCTORY OFFER (Minimum order) Six Appliances plus one bonus £12. 12. 0. Retail price £3. 3. 0. each. Cash with order.

● Showcard and literature on application

GAMIC GENETIC LABORATORIES
Dept. 2, POTTO, NORTHALLERTON, YORKSHIRE.

Culmak
SHAVING BRUSHES

AUROLAL | FAST SELLERS

COLD WATER DYES

30 brilliant, favourite shades. Orders of one gross bring you a free Counter Display Cabinet on request. Easy 'look-and-choose' opportunity for your customers. Shade Cards and Showcards also available.

48/- per gross: Retail 6d. per packet.
Less 5% for cash in 7 days.

WHITAKER & CO. (KENDAL) LTD.
DYE AND CHEMICAL MANUFACTURERS — KENDAL



Good gracious—
I haven't done anything
about that
Moorland Bonus Offer!

13 to the DOZ.

**ON ALL DIRECT MOORLAND
ORDERS UNTIL END OF MAY**

1/2½ on Doz. SMALL—FREE—2/3 on Doz. LARGE

THE ONLY MOORLAND BONUS THIS YEAR

QUANTITY DISCOUNTS

On all direct orders for MOORLANDS and/or PENETROL and/or URILLAC:
£2 orders (exc. P.T.) less 2½% £5 orders (exc. P.T.) less 7½%
£3 5% £10 10%

SUPER ADVERTISING

Everybody is talking about today's Moorland advertising campaign. By far the most original in its field: the advertising now appearing on television, and in mass-circulation newspapers and magazines, is hitting home hard.

SUPER SALES

Sales are rising. Rising all year round. Make sure you keep pace with demand by ordering fresh stocks today and displaying Moorlands prominently.

**W. B. CARTWRIGHT
LIMITED,
RAWDON, LEEDS.**



INDEX TO ADVERTISERS

Allen, Stafford, & Sons, Ltd.	Front Cover	Cupal, Ltd.	33
Aspro-Nicholas, Ltd.	26	Cussons, Sons & Co., Ltd.	14
Bailey, Robert, & Son, Ltd.	42	Cuticura Preparations	30
Banister Street Works, Ltd., The	48	Cuxson, Gerrard & Co., Ltd.	32
Barker, Robert, & Son, Ltd.	64	Dae Health Laboratories, Ltd.	Cover iv
Beatson, Clark & Co., Ltd.	47	Daily Mirror	58
Beecham Pharmaceuticals, Ltd.	10	Daniel, Richard, & Son, Ltd.	15
Bell, John, Hills & Lucas, Ltd.	65	Domestos, Ltd.	43
Bencard, C. L., Ltd.	Interleaved Edit., 40	Eade, George, Ltd.	21
Bengue & Co., Ltd.	24	Edwards Harlene, Ltd.	7
Biometica, Ltd.	32	Ekco Plastics, Ltd.	28
Borax Consolidated, Ltd.	29	Eukrater (Sales), Ltd.	51
British Drug Houses, Ltd., The	Interleaved Edit., 38, 39	F.A.I.R. Laboratories, Ltd.	63
British European Airways	44	Franks, Alfred, & Bartlett Co., Ltd.	55
British Plastics	22	Furman, B. N. (Products), Ltd.	60
Britton, Malcolm, & Co., Ltd.	59	Gamic Genetic Laboratories, Ltd.	4
Brook, Parker & Co., Ltd.	64	Golden, Ltd.	54
Burrough, James, Ltd.	4	Graesser Salicylates, Ltd.	52
Burroughs Wellcome & Co.	36	Greeff, R. W., & Co., Ltd.	1
Calfos, Ltd.	6	Gross Cash Registers, Ltd.	3
Cannon Rubber Manufacturers Co., Ltd., The	65	Halex	18, 19, 56, 57
Carnegies of Welwyn, Ltd.	12	Heath, Hicks & Perken (Thermometers), Ltd.	52
Cartwright, W. B., Ltd.	4	Hinders, Ltd.	61
Chemist and Druggist Pharmaceutical Emulsions and		Holloway, E. R., Ltd.	27
Emulsifying Agents	42		
'Codis'	2		
Compressed Paper Packing, Ltd.	49		
Cox, Arthur H., & Co., Ltd.	8		
Cox, James, & Co., Ltd.	67		
Culmak, Ltd.	4		

(continued overleaf)

ANNOUNCING

PREDNISOLONE
P.,D. & Co.

For many years Parke, Davis and Company Limited have been engaged in hormone and steroid research. In their research laboratories in 1901, Adrenalin, the pure crystalline hormone of the adrenal medulla was first isolated. Some thirty years later, the Company was responsible for the introduction of Eschatin, the first standardised natural extract of the adrenal cortex.

Today interest is centred on the synthetic adrenocorticoids and in particular on Prednisolone which is now available from Parke-Davis as

PREDNISOLONE P.,D. & Co.

Prednisolone P.,D. & Co. is supplied in compressed scored tablets each containing 5 mg. Prednisolone . . . Bottles of 25, 100, 500.



PARKE, DAVIS & CO. LTD., (Inc. U.S.A.), HOUNSLOW, MIDDLESEX. Tel: Hounslow 2361

And at Carfin Industrial Estate, Carfin, Lanarkshire. Holytown 326/7

INDEX (cont.)

Illingworth, E., & Co. (Bradford), Ltd.	35	Rank Precision Industries, Ltd.	8
International Laboratories, Ltd. Interleaved Edit.,	37	Rapidol, Ltd.	62
Jobling, James A., & Co., Ltd.	46	Regna Cash Register Co., The	Cover iii
Kellys, John (London), Ltd.	68	Riddell Products, Ltd.	60
Kirby, H. & T., & Co., Ltd.	17	Riley, John, & Sons, Ltd.	52
Lastonet Products, Ltd.	61	Roberts Windsor Soap Co., Ltd. Interleaved Edit.,	550
Lederle Laboratories Division	Cover ii	Robinson & Sons, Ltd.	45
London Commercial Electrical Stores, Ltd., The ..	64	Rosedale Products, Ltd.	66
Mail Advertising Services (Mas), Ltd.	7	Rose, L., & Co., Ltd.	25
Manesty Machines, Ltd.	51	Rozalex, Ltd.	30
Medico-Biological Laboratories, Ltd.	69	Sallis, E., Ltd.	44
Menley & James, Ltd.	34	Samuelson, P., & Co.	64
Modern Packages, Ltd.	46	Sandoz Products, Ltd.	15
Morrell, John, & Co., Ltd.	13	Silver, John, Ltd.	7
'Nervone'	4	Simpkin, A. L., & Co., Ltd.	7
Newton Chambers & Co., Ltd.	70	Simpson's Manufacturing Pty., Ltd.	44
Olley, C., & Sons, Ltd.	50	Southalls (Birmingham), Ltd.	30, 62
Organon Laboratories, Ltd.	41	Spiral Tube & Components Co., Ltd., The	48
Orridge & Co.	Classified Section	Sponcel, Ltd.	11
Parke, Davis & Co., Ltd.	5	Spratt's Patent, Ltd.	24
Peboc, Ltd.	60	Sunbeam Electric, Ltd.	31
Phillips, Chas. H., Chemical Co., Ltd., The	69	Sunday Pictorial	20
Pifco, Ltd.	23	Theakrock Pharmaceuticals, Ltd.	16
Progress Shaving Brush Co., Ltd., The	50	Trapow, D., & Co., Ltd.	50
		Vines Biocrin, Ltd.	68
		Vistascreen Co., Ltd., The	66
		Wander, A., Ltd.	9
		Ward, Cassenne, Ltd. Interleaved Edit.,	549
		Webster, Isaac, & Sons, Ltd.,	48
		Whitaker & Co. (Kendal), Ltd.	4
		Woodward, G. O., & Co., Ltd.	53

Edible BONE phosphate

p r e s e n t s

**calcium and phosphorus
in their most
readily assimilated form**

Available as a white,
sterile powder in
200, 100, and 50 mesh.

Full particulars,
samples, and
prices on request.

CALFOS LTD.
IMPERIAL HOUSE, KINGSWAY
LONDON, W.C.2
Phone: TEMple Bar 3629

Smoke

COLOUR RINSE

The NEW RINSE

Millions of Women

are seeing 'Smoke' advertisements
in CINEMAS, MAGAZINES
and NEWSPAPERS

THE RINSE THAT PUTS
GLAMOUR in GREY HAIR
— NO BLUE — NO MAUVE



Retail Price **5/6** per bottle
26/8 per doz. plus tax

A Harlene PRODUCT

EDWARDS HARLENE LTD., 58 GOUGH STREET, LONDON, W.C.1

**STOCK
UP
TODAY!**

SUNKIST

Pure California Lemon Juice

In the handy size 6 fluid oz. tins has
70 different uses—ideal for Slimming,
Beauty Treatment and many house-
hold needs. Delightful as a thirst
quenching beverage.

Remember, SUNKIST is pure
Lemon Juice at its best.

Have you seen our

TELEVISION ADVERTISEMENTS

SUNKIST is obtainable at your
usual wholesaler, or

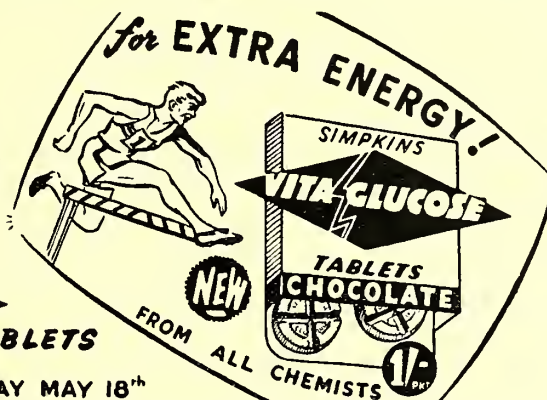
JOHN SILVER LTD.

CENTRAL MARKETS, LONDON, E.C.1. CLE. 1212

Simpkins
introduce their
NEW CHOCOLATE
flavoured



ON I.T.V. COMMENCING SATURDAY MAY 18th



**BE
PREPARED
TO MEET
THE
IMMEDIATE
DEMAND**

SIMPKINS OF SHEFFIELD

FOR THE HARD-SELLING MANUFACTURER!

Your direct mail shots tying-in with the rest of your inspired campaign, can now pay the retail pharmacist the supreme compliment of a matched letter and each carrying your personal signature.

This powerful new technique introduced for the very first time into any competitive industry in the world, advances your mailings to where the results achieved are the maximum and the outlay required no longer prohibitive.

FOR NEW POSITIVE SELLING — WRITE AN INDIVIDUAL LETTER

DON'T DELAY — ACT TODAY

PHONE: TERMINUS 2543

MAIL ADVERTISING SERVICES (MAS) LTD., 351 City Road, London, E.C.1



Attractively packed.

Display material available.

Samples on application.

ARTHUR H. COX & CO. LTD

Manufacturing Chemists since 1839

BRIGHTON

Profit from this POWERFUL ADVERTISING

...in the "Radio Times" Over 19,000,000 potential customers!

That's the readership of the "Radio Times" That's the measure of our advertising support for you this coming spring and summer. G.B. Kershaw camera advertising will be appearing regularly, guiding "Radio Times" readers to your shop.

...in the "Amateur Photographer" The photographic press too, will carry advertising, highlighting the 630/450 models.

Exceptional versatility, from such features as high resolution lenses and unique balanced pressure baseboard shutter release, make these cameras the ideal alternative to a 35mm. for every serious amateur.

Give the G.B. Kershaw range of quality cameras a prominent display, together with the price cards which your customers will be looking for. At prices from £4.19.9 these cameras will appeal to a vast market.

Make sure your stocks of G.B. Kershaw cameras are adequate, to meet increased demand. For further supplies, write or 'phone



RANK PRECISION INDUSTRIES LIMITED

CINE & OPTICAL DIVISION • DEPT. CD/18/5/57 • 37/41 MORTIMER STREET LONDON W.1. MUSEUM 5432

STOCK NOW & DISPLAY

NEW!
WANDER

DIABETIC CHOCOLATE

A Scientific Advance for Diabetics

Place your Orders now for a *constant* supply of this new, sugar-free, vitamin-enriched diabetic chocolate.

It is also suitable for slimming diets.

Packed in attractive display cartons. Counter display card material gladly sent on request.

WANDER DIABETIC CHOCOLATE is
Sugar-free for diabetic requirements
A rich source of extra dietary vitamin B₁
—and it is really delicious

Advertised in the 'Diabetic Journal'

AVAILABLE IN TWO VARIETIES

Wander Diabetic Plain Chocolate 3 oz. packet	Retail 1/4 each	Trade 12/9½ per doz.
Wander Diabetic Nut Chocolate 3 oz. packet	1/5 each	13/7 per doz.

May be included with 'Ovaltine' products for discount terms.

ORDER YOUR STOCK NOW

from your usual wholesaler or from

A. WANDER LIMITED, 42 Upper Grosvenor St., London W.1. Phone: GROsvenor 3931

T.50



They try Germoloids -then they buy them

FREE SAMPLE to sufferers from
Haemorrhoids (PILES)

GERMOLOIDS the effective simple treatment gives an easy, painless bowel movement. GERMOLOIDS end the constant itching and irritation. They promote quick healing. If you are suffering from haemorrhoids, take advantage of this wonderful FREE offer. Start a normal, happy life again. Send coupon today.

VALUABLE BOOKLET TOO!
Included in FREE offer is booklet giving the facts about haemorrhoids; what causes them, how to treat them.



This offer applies only to: Great Britain & N. Ireland.
TO THE VENO DRUG COMPANY, Dept. CD.61 ST. HELENS, LANCASHIRE.
Please send me free sample of Germoloids. BLOCK CAPITALS PLEASE.
(2½d stamp enclosed)

Name.....
Address

**STOCK
UP
NOW!**

Tie up with this most successful advertising

To try is to buy—is true for Germoloids! Previous sample-offer ads. have given unassailable proof of this. And now comes the biggest sampling campaign ever for this recognised treatment for haemorrhoids. So send an order which will cover your needs—and prevent your customers going elsewhere.

THIS ADVERTISEMENT, carrying the special FREE SAMPLE OFFER OF GERMOLOIDS, is appearing in:
Daily Mail, Sunday Pictorial, Sunday Dispatch,
English Weekly Provincials, Scottish & Irish Dailies

Germoloids

**the effective simple treatment
for a widely spread complaint**

THE Spontex display shell

the newest, most attractive
display yet introduced
for toilet sponges
and toilet soaps



AVAILABLE ONLY WHILST STOCKS LAST

This highly attractive display unit is made from translucent plastic in a pleasing shade of blue. It is light yet durable and does not take up much space. You can sell a lot of toilet soap from this display *and* you will sell more Spontex than ever before.

This display shell is available to you **FREE**, on receipt of a qualifying order for Spontex cellulose Toilet sponges to a minimum list price value of £5.0.0. (subject of course to 33 $\frac{1}{3}$ % Trade Discount) plus Purchase Tax. There are **NO** restrictions

as to the sizes of Spontex Toilet sponges you buy.

Orders should be submitted on a special reply-paid card available from Sponcel Limited, or your usual Wholesaler. Alternatively simply tear out this page attach it to your letter heading, giving details of your order and the name of your Wholesaler and send direct to us. The display shell will then be sent *direct* to you *by us* and your qualifying order passed to the Wholesaler nominated for delivery and invoice in the normal way.

SPONCEL LTD · 40 CHANCERY LANE · LONDON W.C.2 · TEL: CHANCERY 8111

CARNEGIES

Manufacturers of Fine Chemicals



"TREE OF LIFE"
Regd. Trade Mark

ADRENALINE	IODIDES
ADRENOCHROME	ISONICOTINIC ACID
MONOSEMICARBAZONE	HYDRAZIDE
ALOIN	ISOPRENALINE SALTS
ALUMINIUM GLYCINATE	LITHIUM SALTS
ALUMINIUM HYDROXIDE	METHOIN
AMINOPHYLLINE	NORADRENALINE & SALTS
ATROPINE & SALTS	P.A.S. ACID & SODIUM
BISMUTH SALTS	PIPERAZINE & SALTS
BRUCINE & SALTS	RESERPINE
CAFFEINE & SALTS	SANTONIN
CHRYSAROBIN	STRYCHNINE & SALTS
CITRATES	SULPHA DRUGS
EMETINE & SALTS	THEOBROMINE & SALTS
EPHEDRINE & SALTS	THEOPHYLLINE & SALTS
HOMATROPINE & SALTS	THIOMERSALATE
HYDANTOIN DERIVATIVES	VITAMINS

QUININE and SALTS

QUINIDINE and SALTS

CINCHONA FEBRIFUGE TOTAQUINA

A wide range of our products is available in tablet and ampoule form.

CARNEGIES OF WELWYN LTD

WELWYN GARDEN CITY, ENGLAND

Cables : 'CARNEGIES, WELWYNGARDENCITY'

Telephone : WELWYN GARDEN 5001 (10 lines)

Telex : LONDON 28676

A complete list of our products will be supplied on request

Do 4 million customers matter?

The four million dogs in Britain
provide a wonderful ready-made market
for RED HEART—the right feed
for every breed.



don't run out of

RED HEART

a PROVED fast seller!



cvs-92

Red Heart provides *full margins of profit*
for all sections of the Trade.

There are 6 million cats! So Stock up with **RED HEART CAT FOOD** too.

JOHN MORRELL & COMPANY LIMITED, 57 VICTORIA STREET, LIVERPOOL 1

AMPOULES

of
**INJECTION
SOLUTIONS**

Price List on
application

**A FULL RANGE
IN ALL SIZES
MANUFACTURED**

BY

RICHARD DANIEL & SON LTD

MANSFIELD ROAD, DERBY

TEL: 40671 (8 lines)

Also at ASHTON-UNDER-LYNE



The flowers that bloom in the Spring, tra la

Breathe promise of

HAY-FEVER TIME

But now we have SANDOSTEN SPRAY, tra la

To chase all the symptoms away, tra la

And that's why we break into rhyme...

SANDOSTEN* NASAL SPRAY

(thenalidine)

* TRADE MARK

with Calcium-Sandoz and Ephedrine

Plastic nebulizers containing 10 ml. solution

SANDOZ PRODUCTS LIMITED, LONDON W.1.



There's an increasing demand for—

Substantial
profits on
direct terms.

Retail :
1/9 each
3 for 4/6

Direct terms :
13/- dozen
INCLUSIVE

A Colourful
and Attractive
Pack . . .

**CARRIAGE PAID
ON £2 PARCEL**



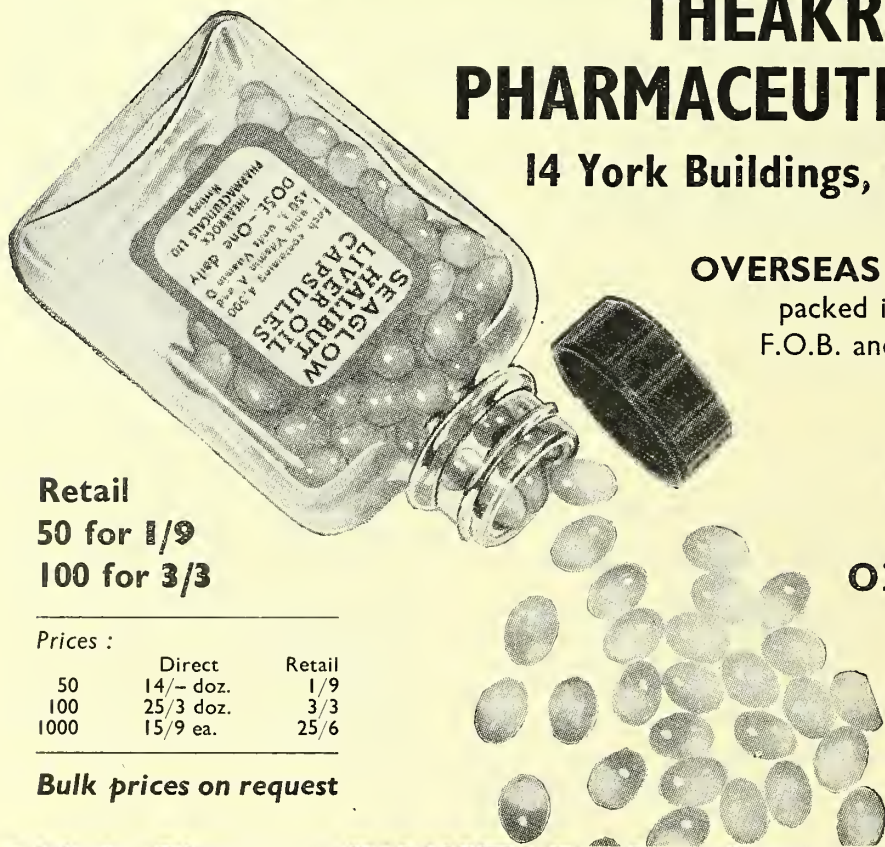
THEAKROCK PHARMACEUTICALS LTD.

14 York Buildings, Hastings, Sussex

OVERSEAS MARKETS Capsules
packed in aluminium containers
F.O.B. and C.I.F.—Ports of Entry
quotations on request.

SEAGLOW HALIBUT OIL CAPSULES

Meet N.F. requirements
for H.L.O. and capsules
Vit. A and D.
4,500 I.U. Vit. A.
450 I.U. Vit. D.



Retail
50 for 1/9
100 for 3/3

Prices :		
	Direct	Retail
50	14/- doz.	1/9
100	25/3 doz.	3/3
1000	15/9 ea.	25/6

Bulk prices on request

Their Business is...



Though they earn their living in other ways, life-boat crews are always ready to put to sea when others are in danger

Our Business is

TABLETS

PENICILLIN PRODUCTS

Pills Capsules Pessaries Suppositories Solution
 Tablets Eye Ointments Soft Glycerine Lozenges
 Packed Pharmaceuticals Sterile Products

**SPECIAL
FORMULAE
PREPARED**

**OWN
MATERIALS
PROCESSED**

**HOME AND
EXPORT ENQUIRIES
INVITED**

KIRBY OF LONDON

Pharmaceutical
Manufacturers

It's a profitable business selling the **HALEX** range of nurseryware!

Here's why. First, Halex nurseryware is so attractively gift-packed that it well nigh sells itself. Second, customers already know and trust the famous Halex name. And third, the exceptionally high quality of each Halex

article recommends the rest of the Halex range. Sell one — and you've a steady, sure source of profit in other Halex sales.

Hygienic Halex nurseryware offers a range of warm, gay baby colours — single items or matching sets.

YOU CAN BE SURE YOU'LL SELL HALEX NURSERYWARE

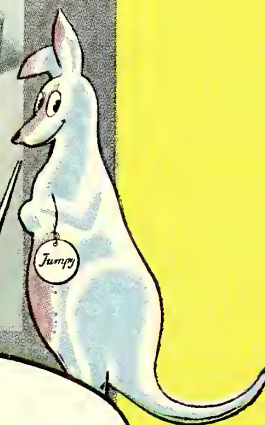
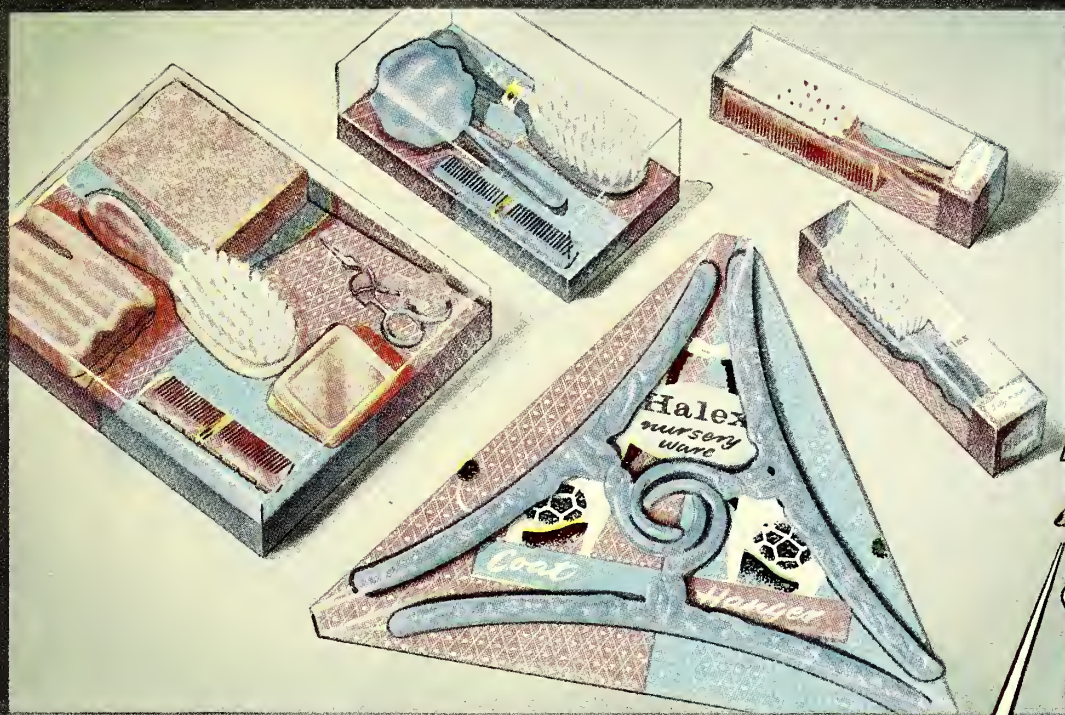
*Halex feeding ware is made
in warm, gay baby colours
—to sell on sight!*



Please send me the full
illustrated leaflet and pr
list of Halex nurseryware

NAME.....
ADDRESS.....

To HALEX (a Division of the British Xylonite Co. Ltd.)
HIGHAMS PARK, LONDON, E.4.



Hallex gift packs are selling better than ever!



Children love the colourful, specially designed nursery chambers.



is for PLAYTEX



P is for Playtex as advertised to
One in three customers living near you.*
PIC advertising brings more sales your way
If you help too with a Playtex display.

SUNDAY PICTORIAL

*PLAYTEX Baby Pants will be advertised to the 15,619,000 readers of the Sunday Pictorial on May 19th

**SEE THAT YOU
'HAVE A HAND'
IN THIS
PROFITABLE
INVESTMENT!**

Introductory Special Bonus Offer of 14 to the dozen for *three months* only.

Retail Price 1/10 per tube.

Trade Price 9/2 per dozen. Plus 90% Tax.



Another product of George Eade Limited with a hundred years' reputation for high quality behind it — Nora Giles Hand Cream.



**SUPPORTED BY NATIONAL NEWSPAPER
ADVERTISING AND WOMEN'S MAGAZINES**

Order direct from

GEORGE EADE LTD.

232 GOSWELL ROAD, LONDON, E.C.1

Plastics mean progress!

COME TO

BRITISH PLASTICS

International

EXHIBITION

AND CONVENTION

OLYMPIA · GRAND & NATIONAL HALLS
10-20 JULY

See
how the latest
advances
can be
applied to your
business

PRODUCTS

EQUIPMENT

MATERIALS



Visitors to the British Plastics Exhibition will reap a rich reward in new ideas, methods and plans for improved products—extended ranges—enhanced sales appeal—increased production and reduced costs!

This is your opportunity to see the biggest array of plastics products, materials and equipment ever assembled in Britain—covering over 200,000 square feet of floor space in Olympia's Grand and National Halls. A whole world of plastics, with exhibits from every branch of the British industry, and from Belgium, France, Germany, Holland, Italy, Sweden, Switzerland and the U.S.A.

Come and examine the latest plastics machinery (much of it in action); discuss your problems with experts; see how plastics can mean progress in *your* business—at this great exhibition organized by BRITISH PLASTICS, the journal that speaks for the industry.

At the British Plastics Convention, held simultaneously, important papers will be read and discussed in open forum.

A whole world of plastics on view

Exhibition organised every second year by BRITISH PLASTICS, an ILLIFFE Journal

34A

***Plan your
visit ahead
Post this
today!***

Please send me the 1957 Exhibition Brochure, free season ticket, etc.

NAME

DATE

FIRM

ADDRESS

TO: EXHIBITION MANAGER · BRITISH PLASTICS · DORSET HOUSE · STAMFORD STREET · LONDON, S.E.1

now in COLOUR!



**The famous PIFCO hairdryer
in these 5 delightful colours**

**to boost
your sales
even higher!**



lilac



petal pink



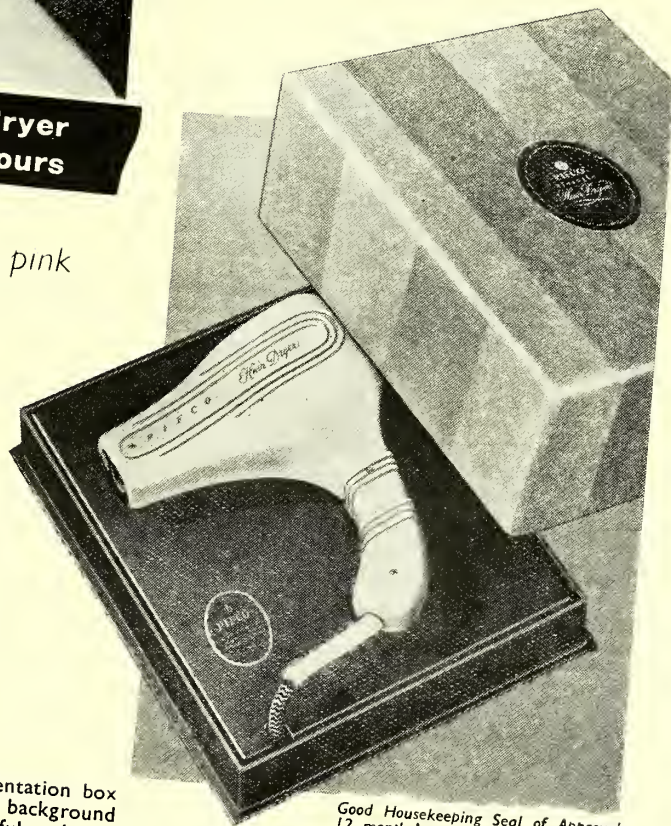
maple green



ivory



pastel blue



To a supremely successful product we've added the irresistible appeal of colour—a choice of five enchanting colours to tempt the Eve in every woman. Make sure of record sales by placing your order now!

Pack restyled too! The attractive presentation box now has a gold platform . . . a luxury background to enhance the range of five delightful colours.

retails at **76/9** inc. tax

*Good Housekeeping Seal of Approval.
12 months' guarantee.*

again-

PIFCO

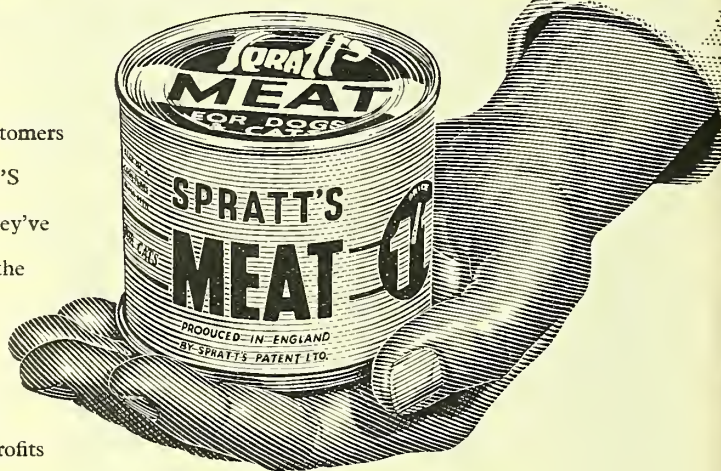
take the lead in sales appeal!

ORDER FROM YOUR USUAL WHOLESALER
DETAILS OF COMPLETE PIFCO RANGE FROM PIFCO LTD., WATLING ST., MANCHESTER, 4

AND 36-37, UPPER THAMES STREET, LONDON, E.C.4

"That's the one I want —a tin of SPRATT'S MEAT"

THAT'S what your dog-owning customers will say when they see SPRATT'S MEAT displayed on your Counter. They've seen SPRATT'S MEAT advertised in the Press and on I.T.V. They know it is ready cooked, ready to serve, easy to store—the ideal all-meat feed for Dogs. So make sure of *extra* sales and *extra* profits by stocking and showing SPRATT'S MEAT.



In the new handy-to-hold tins. Retail 1/1d.
TRADE: CASE OF 48 TINS, 39/-

SPRATT'S PATENT LTD., 41-47, BOW ROAD, LONDON, E.3

RHINAMID

BAILLY

(Sch. IV)



AN AQUEOUS ISOTONIC SOLUTION
INDICATED IN
RHINO - PHARYNGEAL AFFECTIONS



Available through all whole-sale houses, and being vigorously introduced to the Medical Profession

PACKINGS

YOUR PRICE:
33 c.c. Bottle 31/6 per doz.
Dispensing Packs:
8 fl. ozs. 10/- net.
80 fl. ozs. 80/- net.

RETAIL PRICE—33 cc Bottle 3/6 ea.

BAILLY LTD., LONDON

Sole Concessionaires:

DIPASIC

Owing to the success of Dipasic, the Manufacturers are happy to be able to announce a substantial reduction in price.

The reduction takes effect on the 20th May and new prices will be as follows

100 Tablets	12/-
500 Tablets	50/-
1000 Tablets	95/-
5000 Tablets	430/-



BENGUE & CO. LTD., Manufacturing Chemists,
MOUNT PLEASANT · ALPERTON · WEMBLEY · MIDDLESEX



Rose's on all TV networks all through the summer

**MORE THAN 150 PEAK-TIME TV SPOTS WILL
FEATURE ROSE'S BETWEEN MAY AND AUGUST**

Rose's Lime Juice television advertising was a great success last year. This year Rose's are appearing on *all* commercial networks. Millions more people will be able to see Rose's TV advertising — and see it *often*.

Rose's Lime Marmalade, too, is being featured in this all-over-the-country television campaign.

Linked with Rose's television advertising are large and frequent spaces in the National Press. All the advertising — television and press — tells the same straightforward story of:

Rose's for quality . . . and Rose's the refreshing all-the-year-round health drink for complexion and bloodstream, for strong bones and healthy teeth.

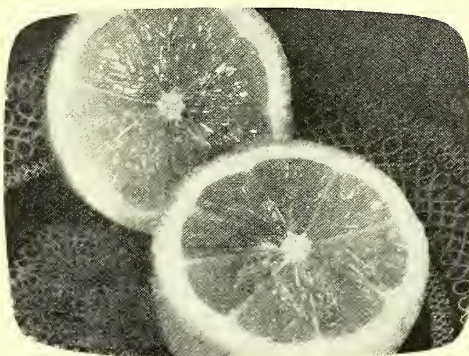
**Rose's advertising will be telling
millions more people to . . .**

drink more Rose's Lime Juice

***Are your stocks of Rose's lines sufficient to cover
the steady increase in demand?***



And remember, Rose's Diabetic Lime Juice and Fruit Squashes are selling better than ever (*they're fine for slimming*)



LOOK AT THESE SHOTS FROM THE FILMS



'ASPRO' PRICE INCREASE

.....

**The retail selling price
of the
'ASPRO' 27 Tablet Pack
will be increased
from 1/8 $\frac{1}{2}$ d. to 1/9d.
as from
20th May, 1957**

Aspro-Nicholas Ltd., Slough, Bucks

Now make up to **83% PROFIT** on **BARNET REFILLS** for your **Barnet Comb Cabinets**



Refill this No. R4 Cabinet
for 83% Profit.



Refill this No. R18 Cabinet
for 70% Profit.



Barnet Comb Cabinets already show you at least 50% mark up . . . NOW MAKE MORE PROFIT by filling up with BARNET REFILLS Because Barnet Cabinets are moulded they are permanently serviceable so you can keep making EXTRA REFILL PROFITS Keep them coming by seeing your cabinets are full with Barnet Refills from your wholesaler

Here are the PROFITS on all BARNET COMB CABINETS

PROFIT ON CABINET		PROFIT ON REFILLS (Based on one set)
No.R3 or R3B Acetate	52%	69½%
No.R4 Blk. and Shell Acetate	55½%	83%
No.R5 or R5B Nylon	51%	56%
No.R7 Blk. and Shell Nylon	50%	55%
No.R18 or R18B Super Acetate	61½%	70%

*In every case far higher than any
comparable line.*

A little bit of counter sells a lot of **Barnet Combs**

Manufactured by (wholesale only)

E. R. HOLLOWAY LTD. BESSEMER ROAD, WELWYN GARDEN CITY, HERTS. Phone: Welwyn Garden 4444

TO INCREASE YOUR SALES!

EKCO *Superbath*

Made in warm soft polythene, light in weight, wide and deep with moulded-in soap and sponge tray. It has a 'baby-proof' plug for easier emptying and a handsome folding dual-purpose, polished beechwood stand which can also be used for a 'carry-cot'.
In Blue, Pink or Natural.

Bath **54/11**

Dual-purpose Stand **35/-**



*This is the
support
EKCO
offer you:*

*announcing the **EKCO***

'PICTURE BABY' competition
with handsome prizes for YOU and your customers

For the
'Picture Babies.'

For the Dealer who sells
the SUPERBATH to the
'Picture Baby' winners.

1ST. PRIZE £100 + £50

2ND. PRIZE £50 + £25

3RD. PRIZE £25 + £12

Plus prizes for the Wholesalers
who supply the winning baths.

THE COMPETITION IS SIMPLE

All your customers have to do is complete an entry form and post it with a photograph of their baby and the tie-on LABEL from an EKCO SUPERBATH TO EKCO PLASTICS LTD.

The Competition lasts from April 1st to December 31st, 1957.

**... POWERFUL
COMMERCIAL T.V.
ADVERTISING**

Magazine Programmes on *all stations*

**... PRESS
ADVERTISING IN
'BABY' MAGAZINES**

with special 'Mother' appeal

**... ATTRACTIVE
NEW DISPLAY
MATERIAL**

including full colour showcards

★ Take full advantage of this wide-scale sales promotion campaign by featuring this Competition and the Ekco Superbath prominently in both your window and Showroom.
★ Order today extra supplies of the Superbath and other Ekco Nursery Ware, also ask your Wholesaler for supplies of the new sales aids or write direct to:

EKCO PLASTICS LTD • SOUTHEND-ON-SEA • ESSEX



Oh, gentle-natured Al Borak!

Borax was named long before its true pharmaceutical value was realised. Its bright white crystals were known to the physician, Rhazes of Basra, well over a thousand years ago as "Baurak."¹ The same word was applied to the fabulous, glittering Al Borak, a "flying horse" of Arabian legend. Since then, use and research have added household familiarity to an almost legendary name.

Boric acid, obtainable from borax, has become one of the safest and gentlest antiseptics known, for use in talcs, in dressings, in ointments and optical solutions, and it discourages the growth of bacteria and fungi. Medical science has constantly expanded and improved on the traditional uses of the past two hundred years. Today, boric acid is especially recommended for soothing and detergent mouth-wash solutions² and tablets³ and emollient gum lotions.⁴ Properly applied, boric acid will continue to maintain the high place it has held in therapeutics and cosmetic manufacture for many years.



1. *Beckmann's History of Inventions*, IV 529, 1814.
2. Goodrich, H.P. & Way, G.L., 1940, *British Medical Journal*, 769.
3. *Chemist & Druggist*, 1947, No. 3510, 629.
4. *Pharmaceutical Recipe Book*, American Pharmaceutical Association, 1932.

20 MULE TEAM

BORIC ACID

& BORAX

BORAX CONSOLIDATED LIMITED

BORAX HOUSE · CARLISLE PLACE · LONDON · S.W.1

VICtoria 9070



20 Mule Team Registered Trade Mark

TGA BX113

E

MOTHER LIKES THE POWDER—
BABY LIKES THE TIN



*the new-formula baby powder,
in the fascinating
'nursery' container*

Mothers are asking every day
for Southalls Baby Powder.

What about your stocks?

Order now—through
your usual wholesaler,
of course.



These adorable
nursery animals
decorate the tin

Retail Price—1/10d. per tin
Trade Price—12/6d. per doz. tins
(plus P.T. (30%) at 3/9d. per doz. tins)
SOUTHALLS (BIRMINGHAM) LTD.
Charford Mills, Saltley, Birmingham 8

WIN the loyal Cuticura public to YOUR Pharmacy

Just one pack of each of the Cuticura Preparations in your attractive window will catch the eye of every Cuticura Customer. They know that the pharmacy that sells their Cuticura, stocks only the best,

STOCK AND DISPLAY

Cuticura

SOAP
OINTMENT
HAND CREAM
SHAVING STICK
TALCUM POWDER
MEDICATED LIQUID

281

Attractive NEW tube packs for

ROZALEX BARRIER CREAMS

the INVISIBLE glove



No. 1 FOR DRY WORK
tube 1/9 tin 2/6

No. 8 FOR WET WORK
tube 1/9

PRICES INCLUDE P.T.

R.41

Good retail trade terms.

Order direct or from your wholesaler.

ROZALEX LIMITED, 10 NORFOLK STREET, MANCHESTER 2

**THIS ADVERTISEMENT
WILL BE READ BY
THOUSANDS OF PEOPLE
WHO LIVE NEAR
YOUR SHOP**

Mass circulation national newspapers are carrying this Sunbeam Shavemaster advertisement, and others like it, into the hands of thousands of people *right in your own district*. You can make a lot of those people *your* customers when you—

CHECK YOUR SHAVEMASTER STOCK

Contact your Sunbeam wholesaler for your additional needs.

DISPLAY YOUR SHAVEMASTERS

We will send you free show material, leaflets and advertising stereotypes on request.

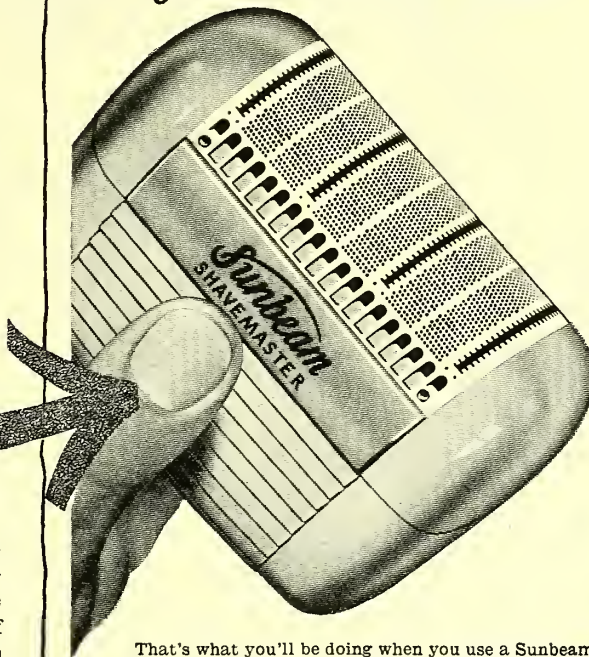
DEMONSTRATE SHAVEMASTER

Nothing succeeds like an actual demonstration in *proving* Shavemaster's absolute superiority.

OFFER SHAVEMASTER ON HOME TRIAL

Get the customer to deposit the purchase price, returnable if he doesn't keep the Shavemaster after 10 days' trial (*most unlikely!*). Sunbeam will recondition as new, *free of charge* (parts damaged would, of course, be replaced at dealer cost and no labour charge be made).

**Give yourself
the finest shaves
you've ever had!**



That's what you'll be doing when you use a Sunbeam Shavemaster. No wonder so many men *insist* on them! **SHAVING PERFECTION.** Sunbeam Shavemaster has one big, curved, paper-thin steel head. Its clever design ensures that hairs of *all* lengths and strengths are efficiently and comfortably shaved.

The hollow-ground blade sweeps to and fro, giving over 24 million actual shaving actions a minute. So no matter how tough your beard, Shavemaster will take care of it effortlessly.

MECHANICAL PERFECTION. Shavemaster has a *real* motor and indestructible nylon crankshaft—there lies the secret of long life!

So reliable are these features that they carry a 5 Year Free Service Guarantee. A lot of hair grows under the chin in five years!

Sunbeam SHAVEMASTER

5 Year Free Service Guarantee

TRY A SHAVEMASTER FOR YOURSELF! Send off the coupon below for details of Sunbeam's home trial offer and a chance to see how wonderfully this superb shaver will shave *you!*

Please send me Home
Trial details.

To: Sunbeam Electric
Ltd., Nerston, East
Kilbride, Glasgow.

NAME
(BLOCK CAPITALS PLEASE)

ADDRESS

SUN 8263

57

Actual size 8" double column

EVERY TIME YOU SELL A

Sunbeam SHAVEMASTER

AN EXTRA SALESMAN JOINS YOUR STAFF

Sunbeam
THE BEST ELECTRIC APPLIANCES MADE

SUNBEAM ELECTRIC LTD., NERSTON, EAST KILBRIDE, GLASGOW

SUN 5312



TWIN PEAKS of your beauty sales range!



Last year sales of rose-scented Bu-to were higher than ever before.

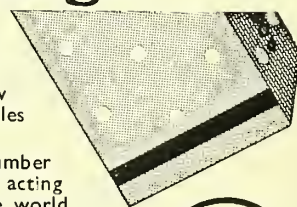
This year extended advertising, plus attractive new pack designs and the introduction of a new tube size retailing at 3/6d., will send Bu-to sales soaring even higher.

Many millions of women will see advertising in a large number of magazines telling them that Bu-to is fragrant, fast acting and inexpensive—the most wonderful hair remover in the world.

This is your opportunity to profit from a certain winner, so make sure by ordering and displaying BU-TO NOW!

The extra-fast rose-scented hair remover.

Available in tubes retailing at 2/6 and 3/6 and polythene bottles (for leg hair) retailing at 7/6, from your wholesaler or from:



BIOMETICA LIMITED, BOREHAM WOOD, HERTS.

Telephone: Elstree 2445

TIB 12

5% EXTRA PROFIT!

PLASTER DISPLAY BONUS

For the months of May, June and July, 1957, in consideration of your agreeing to display our range of plaster specialities for two weeks we offer an **ADDITIONAL 5% DISCOUNT** on orders value £5 and over (excluding Purchase Tax) for one delivery to one address for the following plasters:

**ADAPTOPLAST FIRST AID DRESSINGS • SANOID FOOT COMFORTS
ADAPTOPRUF WATERPROOF DRESSINGS • SANOID BOIL TREATMENT**

★ ADDITIONAL SPECIAL BONUS

Customers qualifying for the above discount will also be entitled to 5% **EXTRA DISCOUNT** on

CARNATION CORN and CALLOUS CAPS

ordered at the same time for one delivery to one address, **UP TO THE EQUIVALENT VALUE ORDERED OF THE OTHER PLASTERS INCLUDED IN THIS OFFER.**

PRODUCTS OF
Cuxson, Gerrard & Co. Ltd.
OLDBURY BIRMINGHAM

Impulse display card given for both **Sooth-tan** products

And what greater impulse is there on holiday than to have a Mediterranean sun-tan before coming home—*without going red*?

Some people just do not believe you can avoid "going red", but the powerful sunscreen agents in both cream and aerosol actually prevent the reddening rays ever reaching the skin; thus leaving the skin free to tan rapidly from the browning wavelengths.

These two preparations in their startling new packages, provide a choice of two very high-class products. Your display of Sooth-tan can really help to *make people's holidays happier*.

The cream is a highly effective product, but the aerosol is quicker to use, easier to spread and lasts longer. Both products have a light, pleasant perfume and each is non-staining and non-greasy. The aerosol silicones *protect even after swimming*.

This showcard is provided with every $\frac{1}{2}$ dozen aerosols.



a

Cupal Ltd

Pharmaceutical Product

CUPAL LTD. • BLACKBURN • LANCs

Sooth-tan is a Registered Trade Mark

F

FURACIN

BRAND OF NITROFURAZONE

Hospital and industrial experience has shown that this potent

nitrofurazone gives exceptionally happy results in infected wounds,

burns, ulcers, bedsores, etc.

furacin

'Furacin' is not an antibiotic. It is an entirely distinct

chemotherapeutic agent that remains effective against organisms that

have become resistant to antibiotics and sulphonamides.

'FURACIN' CREAM

(1 oz. tubes)

'FURACIN' SOLUBLE OINTMENT

(1 oz. tubes and 16 oz. jars)

'FURACIN' SOLUTION

(2 oz. and 16 oz. bottles)

'FURACIN' EAR DROPS

(1 oz. bottles)

MENLEY & JAMES, LIMITED, COLDHARBOUR LANE, LONDON SE5

'Furacin' is a trade mark

E. Illingworth & Co. (Bradford) Ltd.

Cotton Wools

B.P.C. QUALITY COTTON WOOLS
HOSPITAL QUALITY COTTON WOOL
(Drug Tariff)

Sterilised and Unsterilised in all weights, for
Home and Export.

Quantities labelled with
your own labels

*COTTON WOOL DISPENSER
(Pleated filling. Attractive Pack)

BOTTLE NECK WOOL, FILTER PADS
WOOL AND COTTON TISSUE B.P.C. Quality
RESPIRATOR REFILLS
KNITTED BANDAGES

Packing Materials

NEEDLELOOM FELTS

for thermal, sound and vibration insulation
and protection.

Cotton Wools

Bleached and Unbleached Rolls from
2 in. to 40 in. wide, weights 3 oz. per
sq. yd. upwards.

**Only as much as is
needed is pulled out
at a time!*

Illmond Cotton Wool Dispenser Pack

Package has tuck-in
ends and can be re-
sealed. Hygiene en-
sured. Elegant design
of pack makes it
perfect for a lady's
dressing table.

E. ILLINGWORTH & CO. (BRADFORD) LTD.

Shelf Mills, Shelf, Halifax

Tel: Bradford 76261-5

Grams: "Illmond" Bradford



THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and
all sections of the drug, pharmaceutical and
fine chemical, cosmetic, and allied industries

*Official organ of the Pharmaceutical Society of Ireland
and the Pharmaceutical Society of Northern Ireland*

Volume 167

May 18, 1957

No. 4030

CONTENTS

Chemical and Dyestuffs Traders ...	535
Chemical Industry Society's Home ...	535
Double Anniversary ...	540
Largest Cellulose Wadding Plant ...	539
Leading Article:—	
Educational Change—by Degrees ...	541
Factory Equipment Exhibition ...	548
Glasgow Medical Exhibition ...	534
Linnaeus ...	542
Medical Abstracts ...	541
Operations Televised in Colour ...	547
Organic Reagents in Analysis ...	532
Parliament Discusses Drug Costs ...	533
Photo Fair ...	546
Shopfitting Problems ...	545
To America and Back ...	543
Topical Reflections ...	531
Transport of Dangerous Goods ...	532

Business Changes ...	537	New Products ...	538
Coming Events ...	553	New Books ...	544
Company News ...	537	P.A.T.A. ...	554
Deaths ...	537	Personalities ...	537
Fifty Years Ago ...	545	Price Changes ...	554
Information Wanted ...	548	Print and Publicity ...	554
Irish News ...	530	Sport ...	531
Legal Reports ...	536	Trade Marks ...	553
Local Officers ...	553	Trade Notes ...	538
Manufacturers' Activi- ties ...	539	Trade Report ...	551
		World Trade ...	553

INDEX TO ADVERTISERS, Pp. 5 & 6.

PUBLISHED BY
MORGAN BROTHERS (PUBLISHERS), LTD.,
at 28 Essex Street, Strand, London, W.C.2

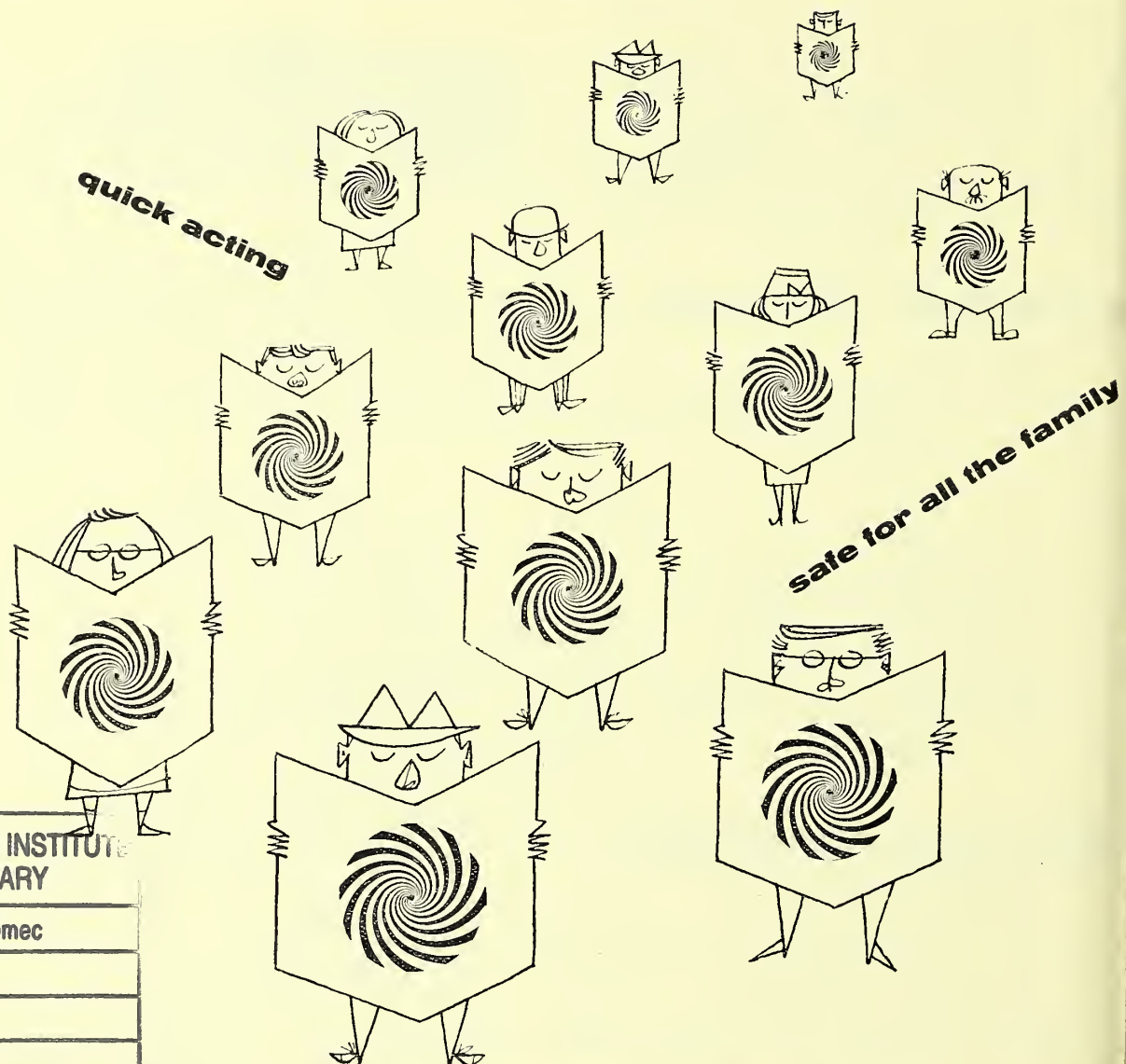
Telephone: Central 6565

Telegrams: Chemicus, Estrand, London

Branch Offices:

BIRMINGHAM, 2: 111 New Street. Phone: Midland 2921.
GLASGOW: 35 Kingslynn Drive, King's Park, S.4. Phone: Langside 2813.
LEEDS, 16: 32 Wynford Rise, West Park. Phone: Leeds 67 8438.

ANNUAL SUBSCRIPTION,
which includes The Chemist and Druggist Diary and
Year Book, £2. Single copies one shilling each.



WELLCOME INSTITUTE LIBRARY	
Coll.	WelMOMec
Coll.	
No.	

‘Marzine’ stops travel sickness

Millions of newspaper readers will be familiar with the ‘Marzine’ “whirligig” within the next few weeks. Make the most of this by displaying ‘Marzine’ material in your window—and on your counter—throughout our press, poster and TV advertising campaign, which starts shortly.

Have you taken advantage of the special ‘Marzine’ bonus offer open until July 31st? This will yield you a profit of 38½% on orders of 3 dozen or more.



BURROUGHS WELLCOME & CO. (THE WELLCOME FOUNDATION LTD.) LONDON

The CHEMIST AND DRUGGIST

Volume 167

MAY 18, 1957

No. 4030

Council Election Results

TWO NEWCOMERS AMONG THE SEVEN

TWO new members, Mr. A. Aldington, London, and Mr. H. J. Graves, Exmouth, were elected and came third and seventh, respectively, in the Pharmaceutical Council election which closed at noon on May 15. Two outgoing members were defeated. They were Mr. W. Cooper, Bristol, and Mr. J. M. Dowty, Southampton. The voting figures were:—

ELECTED	
BLOOMFIELD, J. C. ..	5,788
MCNEAL, J. F. ..	5,067
ALDINGTON, A. ..	4,907
HOWELLS, W. S. ..	4,617
GRAINGER, H. S. ..	4,253
HINCHLIFFE, G. ..	4,190
GRAVES, H. J. ..	3,969

NOT ELECTED	
Dowty, J. M. ..	3,715
Cooper, W. ..	3,553
Perkins, Marjorie H. ..	3,313
Durham, S. ..	2,400
Holland, K. ..	2,163

The number of voting papers issued was 27,019; 9,023 were returned, of which seventy-seven were disallowed.

Therapeutic Substances

MORE PRODUCTS CONTROLLED

NOVOBIOCIN, oleandomycin, spiramycin and their salts; any substance, the chemical and biological properties of which are identical with or similar to any of the foregoing antimicrobial substances or salts but produced by other means, and prednisone and prednisolone and their esters are being brought under part II of the Therapeutic Substances Act, 1956, with effect from June 1. That part of the Act re-enacts the provisions of the Penicillin Act, 1947, as amended, and controls the sale and supply of the substances to which the part applies. The Regulations giving effect to the above changes are the Therapeutic Substances (Control of Sale and Supply) Regulations, 1957 (Statutory Instruments, 1957, No. 798). Copies of the Regulations are obtainable from H.M. Stationery Office, price threepence.

Butanols Output Up

A SECOND INSTALLATION AT BILLINGHAM
IMPERIAL Chemical Industries, Ltd., have started-up a second large-scale carbonylation plant for the production of butanols at Billingham, co. Durham. The raw material (propylene) is piped under the River Tees from the oil crackers operated by the Billingham division at I.C.I.'s Wilton works. With the new plant, when in full production, the company's output of butanols will

increase sevenfold and should eliminate the need for imports.

1957 Conferences

FIXTURES FOR PHARMACISTS TO NOTE

OVERSEAS conferences of pharmaceutical organisations being held this year and notified recently include the following:—FRANCE: *Congress of the Fédération Nationale*, Bordeaux, May 26—June 3; *Sixth Franco-British Pharmaceutical Congress*, Evian-les-Bains, June 15—16; *Journées Pharmaceutiques*, Paris, October 7—12. HOLLAND: *Koninklijke Nederlandse Maatschappij ter Bevordering der Pharmacie*, Enschede, June 5; *International Pharmaceutical Federation*, Leyden, September 12—14. ITALY: *Convegno culturale farmacisti Alta Italia*, Pavia, June 1—3; *Giornate Farmaceutiche Internazionali*, Turin, June 3—6; *Convegno culturale professionale di Farmacia*, Padua, September. NORWAY: *Norges Apoteker-*

forening, annual meeting, Gausdal, September 17—18.

Purchase Tax

REVISED NOTICES ISSUED

THE Commissioners of Customs and Excise have published new editions dated May 1957 of the following notices concerning purchase tax:—No. 77 (General Guide to Purchase Tax Procedure), superseding both the December 1945 edition and Notice No. 77H (October 1954); 77A (Government Contracts and Government Surplus Stores) superseding the March 1946 edition; 77E (Exports—including Retail Export Trade and Exports by Post), superseding both the April 1953 edition and Notice No. 77G (June 1954); and 77F (Imports). A copy of each of the new notices is being sent to every registered trader and trade organisations.

Transport Charges

INCREASED FROM MAY 20

RATES of British Road Services are being increased from May 20 so that their operations as a whole will produce about 7½ per cent. more revenue than from the charges in force prior to December 6, 1956. In general, the increases will fall more steeply on smaller consignments. The 2½ per cent. increase which has been in force since April 15, when the Suez surcharge was removed, is being discontinued.



PRACTICAL ACQUAINTANCE WITH THE SUBJECT: Northern Ireland students, in London for a vacation visit, examine an item of plant at the Greenford works of Glaxo Laboratories, Ltd.

Contractors' Committee

REPORT FOR 1956

THE eighth annual report of the Central National Health Service (Chemist Contractors) Committee was published recently. Covering the year 1956, the report states that the full Committee met on sixteen occasions. Committee A of the Pharmaceutical Whitley Council met on three occasions and there were numerous meetings with officers of the Ministry of Health and of the management side of the Whitley Council. The results of work done by the Central Checking Bureau showed that the general standard of accuracy of pricing, totalling and calculating N.H.S. accounts had been maintained by the pricing bureaux. With the approval of Pharmaceutical Committees, a special analysis of over 500,000 prescriptions, dispensed by a representative sample of contractors in England and Wales, was carried out. It produced figures for the frequency of supply of over 170 proprietary preparations. The information was collected for use in resisting pressure for an extension of the "basic pack" proprietary list. The Committee's Financial Report and Statement of Account shows that, although the higher levy charge was continued throughout 1956, additional expenditure during the year brought about an even larger deficit than in 1955. Salaries again rose, though not to the same extent as in the previous year. Two full conferences of Pharmaceutical Committee representatives were necessary and that item shows a considerable increase. Legal and professional services again proved costly, though the final figure was about £500 less than for 1955.

Narcotics Discussed

U.N. COMMISSION IN SESSION

THE United Nations Commission on Narcotic Drugs is discussing drug addiction, illicit trafficking and barbiturates at its twelfth session which opened in New York on April 29 and is expected to adjourn on May 31. One of the earlier items is the single convention on narcotic drugs, which has been drafted over several years and is now being reviewed in the light of governmental comments. It is a proposed multilateral treaty designed to combine the existing nine treaties into a single and modernised system of control. Details are being given of the research into the illegal drugs seized, to determine the geographical origin of the traffic. The use of cannabis is being discussed in the light of governmental reports and studies suggesting that substitutes might be used which have no narcotic-addiction-producing properties. The Commission is also considering for the first time a group of substances which do not at present fall under regular international narcotics treaties — the barbiturates. Khat, a narcotic commonly used in Arabia and East Africa, is on the agenda at the request of Egypt. Synthetic narcotics are being studied, in line with their greater use in many countries, in the hope that some control may be effected.

By Special Train

CHEMICALS GROUP'S CONVERSAZIONE

FISONS, Ltd., fertiliser and chemical manufacturers, acted as hosts on May 10 at the annual conversazione of the fine chemicals group, Society of Chemical Industry. About eighty scientists from research establishments and chemical and pharmaceutical companies, together with more than fifty lady guests, joined a "Fisons special" train at Liverpool Street. The ladies alighted at Ipswich, visited Christchurch Mansion museum, and were afterwards entertained to tea at Ipswich. The scientists left the train at Orwell to be shown round the company's soil and fertiliser research station at Levington (officially opened on May 7 by Professor Sir Alexander Todd, D.Sc., LL.D., F.R.S. (professor of chemistry, Cambridge University). The visitors and their ladies rejoined one another at Harvest House, Felixstowe, the company's head offices, where they were welcomed by Sir Clavering Fison (chairman of the group) and shown colour films. "Investigation Ipecac," one of the films, was made by a member of the company's staff during a research journey to South America. An exhibition, at which a number of directors and senior scientists of the company were present, made clear the extent of its activities. The special train took the visitors back to London later in the evening.

Retail Sales

BOARD OF TRADE STATISTICS

RECENTLY issued Board of Trade figures show that sales of chemists' goods by independent retailers were 1.4 per cent. higher in February than in January and 4.2 per cent. higher than February 1956; in March, sales were 3.4 per cent. higher than in February and 7.8 per cent. higher than in March 1956. Large retailers' sales were 1.4 per cent. higher in February than in January and 4 per cent. higher than in February 1956; in March, sales were 8.7 per cent. more than in February and 7.3 per cent. more than in March 1956; sales by Co-operative Societies were 3.1 per cent. lower in February than in January but 8.2 per cent. higher than in February 1956; in March, sales were 3 per cent. higher than in February and 10.9 per cent. higher than in March 1956.

Transfer Scholarships

SCHEME EXTENDED

THE transfer scholarship scheme sponsored by Imperial Chemical Industries, Ltd., is being extended. The company are offering to provide three new scholarships to each of the universities of Bristol, Birmingham, and Sheffield which will be available for the academic year 1957-58. The scholarships are for young men who have not specialised in science subjects at school but, although qualified to enter a university in some non-science faculty, wish to change over to science and require an additional year at university. About fifty scholarships were made available last year.

IRISH NEWS

THE NORTH

Health Services Board

MONTHLY MEETING

THE Northern Ireland General Health Services Board, at a recent meeting, decided that two pharmacists should each have £5 5s. withheld from his remuneration for breaches of the terms of service. The complaints against one were that he failed to keep his premises open for the supply of pharmaceutical services on August 30, 1956, during the specified hours and that he failed to maintain at his place of business proper and sufficient equipment and accommodation for the purpose of dispensing medicines and supplying appliances. The chemist stated that he had since obtained additional equipment including a dispensing screen and steriliser. He had been without running water on his premises since 1948 but water mains had been laid a week before the visit by the Board's pharmaceutical officer. In reply to questions, the chemist stated that he had increased his stock of antibiotics. His dispensary was limited to certain types of prescriptions since all the prescriptions were from one doctor. He admitted that his premises were not in good condition but assured the committee that they had changed considerably since the visit by the Board's officer. It was alleged in the other case that the chemist had dispensed a test prescription for 12 oz. garg. chlor. et phenol. in a bottle not distinguishable by touch and not properly labelled. In a further case it was alleged that a chemist had failed to supply drugs with reasonable promptness and that he failed to have a pharmacist in attendance at his place of business in order to provide pharmaceutical services there during the specified hours. It was decided to issue a warning to the chemist.

THE REPUBLIC

Pharmacist Debaters

FINAL MEETING OF THE SEASON

THE Chemists' Debating Society season ended with a debate at the College of Pharmacy, Dublin, recently on the motion "that secondary education should be replaced by technological education." The Rathmines public speaking class spoke in favour of the motion which was opposed by the pharmacist debaters. The officers of the Debating Society stress that the Society is not confined to students, but open to all associated with pharmacy, and look forward to an increase in membership during the season that opens with the coming of winter.

A Badge for Students?

IRISH SOCIETY'S PERMISSION WANTED

IN the near future the officers of the Irish Pharmaceutical Students' Association hope to confer with the officers of the Pharmaceutical Society of Ireland to obtain permission for a badge for students at the College of Pharmacy, Dublin.

NEWS IN BRIEF

THE annual meeting of Liverpool Chemists' Association and Branch arranged for May 29, has been postponed until the following day, May 30.

PORTSMOUTH Branch of the Pharmaceutical Society is meeting next on May 24 and not, as had been arranged, on May 23.

THE National Chamber of Trade at its diamond jubilee convention at Blackpool, on May 14 urged the "gradual elimination of purchase tax."

NORTH-WEST Region of the Guild of Public Pharmacists heard Dr. A. Skene (medical superintendent) talk on "Aviation Medicine" at Walton Hospital, Liverpool, on April 13.

BROWNHILLS urban district council is asking Staffordshire Executive Council "to ensure adequate arrangements are made in the town for the dispensing of emergency prescriptions."

A CAMERA valued at £25 was stolen from a smashed window at the pharmacy of Mr. C. S. Abbott, M.P.S., 101 Colney Hatch Lane, Muswell Hill, London, N.10, on April 21.

At the annual meeting on May 1 of the British Rubber Hot Water Bottle Manufacturers' Association, Mr. I. F. Jones (Reliance Rubber Co., Ltd.), was re-elected *Chairman*.

A RESOLUTION condemning the new system of National Health Service prescription charges was carried by the General Federation of Trade Unions at their conference held in Blackpool on May 14.

ONLY 5 per cent. of medicine bottles issued on prescription were being returned by the public, said Mr. E. W. Rothney, M.P.S., Bucksburn, at a meeting of Aberdeen and Kincardine Executive Council recently.

THE Royal Society of Arts is taking a ninety-nine-year lease of the three houses adjacent to it in John Adam Street and Adam Street, Adelphi, London, W.C. The new extension is being used for exhibition purposes, a council chamber, and accommodation for the expanding examinations department.

THE only chemicals officially approved by the Ministry of Agriculture, Fisheries and Food for the sterilisation of farm utensils are certain named brands of sodium hypochlorite solution. The suitability of other materials, including some quaternary ammonium compounds, is at present only under examination.

SPORT

GOLF.—LONDON CHEMISTS' GOLFING SOCIETY, first meeting of the season, held at Crews Hill golf club, on May 8, *Arthur H. Cox prize*, R. C. W. Poole (14), 74; *Harker Stagg prize*, Allen-Price (11), 4 down on bogey; *Medal*, Burgoyne cup, J. A. Bennett (20), 77.

IRISH CHEMISTS' GOLFING SOCIETY, at Carlow golf club, on May 5, for prizes presented by St. Dalmas (Ireland), Ltd., Coty (England), Ltd., and Allen & Hanburys, Ltd. *Eighteen holes strokes*, 1, A. Walshe (8), 73; 2, T. J. Lynch (7), 74. *Eighteen holes bogey*, 1, D. Mulvey (10), 11 square; 2, N. Mockler (9), 1 down. *Best first nine*, E. Connolly; *best second nine*, J. Daly. Mr. Eric Massey (captain) presided over supper at which the prizes were presented by Mr. Richmond (St. Dalmas and Allen & Hanburys) and Mr. Gotti (Coty (England), Ltd.).

TOPICAL REFLECTIONS

By Xrayser

Proper Conduct

What constitutes the proper conduct of a professional practice in pharmacy? The question is prompted by a statement made by the vice-president of the Pharmaceutical Society, as reported on p. 506. He said, in addressing meetings in Scotland, that "whether or not the position of corporate bodies was compatible with the proper conduct of general practice was a very debatable point. They could be, provided sufficient pharmaceutical control existed upon the board to ensure that a policy not contrary to professional procedure was put into effect, but that was not the usual structure of a large public company." The statement appears to warrant close scrutiny. Mr. Hudson clearly does not mean that there is not a proper observance of the Pharmacy Acts, for there is no evidence that the corporate bodies contravene legislation. Nor could their premises be found fault with on the score of "inner cleanliness," as discussed by you in your editorial on p. 515. But there are many engaged in general practice who deplore the absence of that dignified professional appearance which was traditionally associated with the pharmacy. There are some who equally deplore the display of merchandise not even remotely connected with the art and practice of pharmacy. There are also many who object to medicinal preparations being advertised to the public at very low prices. Such criticism, unfortunately, cannot be confined to the corporate bodies. It is one of the paradoxes of our time that in an age where pure pharmacy is engaging more of our time than ever before, the appearance of the pharmacy itself is becoming more commercial.

Drug Tariff Prices

I note from the report (p. 507) of the Central N.H.S. (Chemist Contractors) Committee that the Committee is making a special appeal to contractors who dispense a relatively small number of prescriptions to make a return of the information the Committee requires in connection with the inquiry into the drug-tariff prices. The changing pattern of prescribing is affecting the nature and quantity of the drugs and galenicals purchased in all classes of business, and must be having repercussions on those wholesale and manufacturing houses which have not entered the field of ethical proprietary medicines on their own account. In my own pharmacy I have noticed the marked difference in the quantities now used of drugs which were once in daily demand. The removal of a doctor from the district, by retirement or death, can mean a complete cessation of the prescribing of certain preparations of ancient vintage, and their replacement by new "pressurised" products. No one would attempt to decry the progress that has been made in modern medicine through the introduction of the antibiotics, the cortisone preparations, and other marvels of medical and pharmaceutical science, but one sometimes wonders if the well-established and simpler remedy might not be tried first, before resorting to the expensive *objet d'art* of the new materia medica. But that, of course, is for the doctor to decide.

EC57's

The news that EC57 forms are to appear in a new guise at the end of the month will be hailed with relief by a large number of the Queen's lieges. It is now proposed to issue the forms in three different colours—buff for one shilling, green for two shillings, and pink for three. It is perhaps too much to hope that the wording will be easier of comprehension, official forms frequently lacking lucidity. But, relieved as chemists will be to have their voluntary efforts curtailed, it will be an even greater relief to the recipients of the fund if one signature is to suffice, and there will be no further need for filling up little boxes with the complicated code-numbers by which they are identifiable in the offices of the National Assistance Board. Many people have found the task beyond them, and have gone without their legitimate rights. Perhaps with the new, colourful forms brightening their lives the diffident may now find boldness and assert themselves.

ORGANIC REAGENTS IN INORGANIC ANALYSIS

Discussions at a joint meeting

THE fine chemicals group of the Society of Chemical Industry and Society for Analytical Chemistry joined forces recently to hear a lecture by DR. H. IRVING (inorganic chemistry laboratory, University of Oxford) entitled "Organic Reagents in Inorganic Analysis: Some Recent Developments."

The lecturer said that dimethylglyoxime, the first chelating agent to be employed in inorganic analysis, was introduced by Tschugaeff just over fifty years ago as a specific reagent for nickel and palladium. Since then many attempts had been made to prepare an analogue that would be more soluble in water while giving a still less soluble nickel (or palladium) complex of stoichiometric composition over a wide pH range, and with complete freedom from interference by other cations. The recently described 4-methyl-, and 4-isopropyl- derivatives of the latter appeared to be nearly ideal.

Since the stability of the dioxime complexes of the divalent transition metal ions followed the normal (or "Irving-Williams") order, the author had predicted in 1950 that the anomalous behaviour of the nickel complex must be due to an abnormal insolubility. That had since been confirmed.

In the volumetric determination of hydrogen ions through the reaction $H^+ + OH^- = H_2O$, the "complex" water had a high stability constant ($K = 10^{12.5}$), and the end point was marked by a sudden increase in pH. In the formally analogous titration of a metal ion M with a polydentate organic ligand L, a sharp end-point would occur at the stoichiometric end-point if the stability constant $K_{LM} = (ML)/(M)(L)$ were large enough. With a suitably constituted aminopolycarboxylic acid (complexone) as the chelating ion L, it was possible to effect a wide range of volumetric determinations. Conversely, the efficient masking of one of a pair of ions (e.g., Al^{+++} in the presence of Be^{++} ; Pb^{+2} in the presence of Tl^+) could be predicted from a knowledge of the relevant stability constants. The task of following the changes in pH during the course of a complexometric titration was easy enough if a reversible indicator electrode were available, or in the special cases where the cation formed a suitably coloured complex ion or could take part in a suitable redox system (e.g., Fe^{+++} and varamine blue). The general problem had been lightened by the chance discovery of the potentialities of murexide as a metal indicator. An appreciation of the features essential to a metal indicator led to the introduction of indicators with bis-o-hydroxyphenylazo-groupings, and with the basic structure of Tiron (e.g., pyrocatechol violet). A whole range of new indicators had resulted from introducing the chelating grouping $-N(CH_2COOH)_2$ into familiar acid-alkali indicators of the phthalein, sulphophthalein type, and quite recently into fluorescein.

There seemed no indication that the number and variety of new reagents

proposed in all phases of inorganic analysis was in any way diminishing, and their synthesis in a sufficient degree of purity and at an economic price was a constant challenge to the manufacturer of fine chemicals.

Replying to DR. J. H. HAMENCE, the lecturer thought that, though at present there was no satisfactory chelating reagent specific for zinc, such a substance would eventually be discovered. Another speaker who asked whether

non-aqueous solvents could be used received the reply that, though the stability constants were usually higher in solvents like dioxan than in water, there was frequently a loss of selectivity. Pyridine might be of value in determinations of sodium, using oxygen compounds as complexing agents. DR. H. BARBER, who asked the nature of the hazard involved in manufacturing cycloheptane-dione dioxime, was told that explosions had occurred.

TRANSPORT OF DANGEROUS GOODS

United Nations committee's recommendations

RECOMMENDATIONS for the classification, listing and labelling of dangerous goods and for shipping papers for such goods have been prepared by the United Nations Committee of Experts on the Transport of Dangerous Goods.

The recommendations are addressed to governments and to the international organisations concerned with the regulations for the transport of dangerous

supplementary symbols: one for oxidising substances which is merely a variation of that for inflammable substances and another for non-inflammable compressed gases. The texts printed on the labels are given as examples.

Four of the symbols are the same as those suggested by the International Labour Organisation (see C. & I. March 19, 1955, p. 313). The symbol



Labels for classes 5, 6A and 8.

goods. It is suggested that when those bodies are preparing regulations they should adapt them to the recommendations.

The Committee defines nine classes of dangerous goods: (1) Explosives; (2) gases; (3) inflammable liquids; (4) inflammable solids or substances; (5) oxidising substances; (6) poisonous (toxic) and infectious substances; (7) radioactive substances; (8) corrosives; (9) miscellaneous dangerous substances. Dangerous medicines are unclassified as such, but would come under the group containing the most hazardous constituent. For example, medicinal tinctures having a flash point below 150° F. come under class 3 (inflammable liquids); and poisonous alkaloids and their salts come under class 6 (a) (poisonous (toxic) substances).

The principal dangerous goods are listed in accordance with those classes.

Ten labels based on five main symbols are proposed by the Committee. The labels are intended to identify the risk graphically and without regard to printed text. The symbols correspond to a main risk thus: Bomb, for risk of explosion; flame for risk of fire; skull and crossbones for risk of poisoning; package with radiations and skull and crossbones for risk connected with radioactive substances; acid spilling from a glass vessel and attacking a metal for the risk of corrosion. There are two

a withered hand suggested by the I.L.O. for corrosive substances was rejected in favour of the one of acid spilling to metal. No label was thought necessary for infectious substances.

The proposed labels are all diamond shaped with minimum dimensions 4 x 4 in., except where the package is too small to bear a label of that size. The labels have a black line 1/5 in. inside the edge and running parallel to it. The labels are divided into two equal triangles, the upper half being reserved for the symbol and the lower for text. The addition of text in the language of the country of origin is optional and it is suggested that the particulars should be confined to: nature of danger; handling precautions; number of classes to which the goods belong (in both corners of label).

When a type of goods involves two major risks two labels are needed.

It is recommended that in all transport papers accompanying dangerous goods, where the goods are unnamed, the correct name of the goods should be used and the class of risk indicated. The shipping paper prepared by the shipper should in addition either be accompanied by a certificate of declaration that the shipment is properly packed, marked and labelled.

Copies of the recommendations are obtainable from H.M. Stationery Office at a price 4s. 6d.

PARLIAMENT AGAIN DISCUSSES DRUG COSTS

Health Service Contributions Bill provides the opportunity

DURING the second reading debate on the National Health Service Contributions Bill in the House of Commons on May 8 the cost of drugs under the National Health Service was criticised—and defended.

Moving the second reading of the Bill, MR. DENNIS VOSPER (Minister of Health) said that although people would appear to be making a greater monetary contribution to the cost of the Service when the new rates were in force, they would, in fact, be providing in that way only about 11½ per cent. of the total cost, a figure considerably less than the 20 per cent. estimated before the Service started. Even after the increase in contribution, the proportion of the cost falling on the Exchequer would be greater than was envisaged in 1946. The fact that the Health Service contribution was separate and distinct would be made clear in the first place, and in the immediate future, by the inclusion of the overprinted words on the existing stamp "includes (rate) Health Service." Thus, on each stamp there would be an indication of the rate of the Health Service contribution. When an entirely new stamp design was introduced, words would be incorporated into the design to make it quite clear that there were separate National Insurance and National Health Service contributions.

"Increasing Cost of Drugs"

MR. JOHN ARBUTHNOT said that he wanted to concentrate on the increasing costs of the National Health Service which had made the Bill necessary, and, in particular, the increasing cost of drugs, which had been a factor in the increasing costs of the Service. He congratulated the Minister of Health on having reached agreement with the Association of British Pharmaceutical Industry to protect the National Health Service against that very small minority of firms who were anxious to exploit it. He thought it would be appropriate to pay tribute to the large majority of reputable firms which had constantly urged their colleagues to hasten the agreement with the Minister. The conclusion of the agreement would improve the general climate of opinion to the advantage both of the National Health Service and of the industry. The charge had been "bandied about" in some quarters against the industry that it had exploited and was exploiting the Health Service. Notably, such charges were made by Dr. Summerskill in recent debates. He believed it was only right that the other side of the case should be put. Dr. Summerskill had made much play with tranquillisers in connection with the debate on the increase in Health Service charges. There was much misunderstanding about the problem. When they were developed they might well do for mental hospitals what the latest drugs in their field had done for tuberculosis hospitals. Therefore one must be careful before attacking tranquillisers as a

whole for increasing unnecessarily the cost of the National Health Service. The increase in price of drugs generally and the increase in the use of proprietaries must be set against the marked fall in the time that patients spent in hospitals. For every drug that successfully reached the market, there were some 300, or maybe more, which failed to do so, and upon which the research carried out was entirely wasted. Therefore, the sales of the successful drug had to pay for the research that had gone into those drugs which ultimately proved not to be of general use and benefit to the public. When a successful new drug had been found, no one knew how long it would prove to be the best in its field. It was not unreasonable that at the outset the price of a new drug should be high and should gradually decrease the longer the drug was in use. If a climate in which the pharmaceutical industry could thrive in Britain was created plant would be set up here for the manufacture of drugs to be sold all over the world. Exports would thrive and prices would come down at home as the basis of sales broadened. If, on the other hand, the pharmaceutical industry was discouraged from coming here and the research of the industry that was here was curtailed the country would suffer in the long run. The industry would go bankrupt and drugs and "know-how" would have to be got from the United States. The ultimate cost in dollars and the ultimate damage to the National Health Service would be incalculable. He hoped that, in considering the Bill, Members would pause before attributing too much blame for the increased costs to the industry which had done so much to keep Britain in the forefront of scientific development.

"Getting Sense in Drug Situation"

MISS JENNIE LEE said that she was willing to form a coalition with Mr. Arbuthnot if he was serious in getting sense in the drug situation. Doctors were under a great deal of blackmail to give "patent" medicines. Everyone knew the cost of "patent" medicines, particularly those paid for in dollars. That was one issue where there ought to be no party advantage.

DR. J. DICKSON MABON said that Mr. Arbuthnot misquoted, misread, or misinterpreted the words of Dr. Summerskill in trying to claim that she launched a barrage of criticism against the use of all tranquillisers. Mr. Arbuthnot had concentrated his defence of tranquillisers on their use in mental hospitals and sought to imply that their use for other spheres was so minor that it could be excused in view of the grand job which was done by mental hospitals. The vast bulk of tranquillisers used in the Health Service were used in so-called light psychoneurotic cases. The over-prescribing of tranquillisers at the present time was a reproach to medical men, and most of them were aware of it. As to tranquillisers being British

products earning dollars overseas, the vast majority of the tranquillisers were provided in Britain by American firms. Instead of gaining dollars on the exchange Britain lost them. The British side of the pharmaceutical industry must be encouraged to provide more drugs and not rely on foreign suppliers.

MR. ARBUTHNOT: Regarding the firm concerned, which was attacked by Dr. Summerskill—it happens to be in my constituency—it has not sent a dollar back to the United States since it came to this country.

DR. DICKSON MABON: Now we know why Mr. Arbuthnot raised this question in the first place and why a matter has come into the debate which, to my mind, seemed so irrelevant to the main subject which we are discussing. I am surprised that Mr. Arbuthnot should be willing to argue a general case upon a particularity. This is news to me, and information which does not seem to be consistent with the presently known facts.

SIR HUGH Linstead said that now, for the first time, the contributory system was providing a method of opening the door towards an enlargement of the Service. It was clear that the continued use of new drugs would increase the cost of the Health Service. The benefit would be reaped in the quicker turnover of patients, curing people more quickly and putting them back to productive work; but nevertheless that additional money had to be found, and could not be found by a method of finance such as that which the Health Service had worked under hitherto.

Value Obtained?

SIR FREDERICK MESSER said that one heard from many quarters that one of the reasons why the Health Service was expensive was because of drugs. He did not think that they represented more than one aspect, but if drugs had been responsible for making some contribution to the expense of the Service, had value been obtained? In 1950 or 1951, speaking from memory, there were 20,000 people in Britain who died from tuberculosis. In 1952 that figure had dropped, and there were 12,000 people waiting to get into hospitals and sanatoria. The following year the Government was paying, by contract with Switzerland, for tuberculous people to go to that country for treatment. Since then the waiting list had been eliminated and there were now tuberculosis beds which were being devoted to other types of treatment. According to the latest figures available, there was a mortality list of 5,000 instead of 20,000. That was what the country was getting for what it paid. He thought the Government was paying Switzerland about £400,000 under that contract, but now it was ended and there was no need to renew it. So the National Health Service had justified itself there. The attack on that disease had been made possible because of expensive drugs. At one

time, Aureomycin and streptomycin were so expensive that only wealthy people could afford the treatment. In the early days, injections of those drugs were so expensive that the Health Service had to open certain centres for their distribution. Everybody considered that there was only one qualification required for treatment, and that was the qualification of need.

MISS JOAN VICKERS suggested that when people went to a chemist for a prescription, the cost of the medicine given to them, if over 5s., should be marked on the bottle of medicine or on the box of pills. It was only human nature, if one knew what a thing cost, to take more interest in it, so she suggested that a great deal of money might be saved in that way. She hoped that in all future legislation the Minister would bear in mind that contributions were the right way in which to try to finance the National Health Service, in preference to individual charges for medicines being imposed on sick persons.

Lack of Pharmaceutical Training

DR. DONALD JOHNSON said that one had to admit the necessity and indeed the desirability of extensive pharmaceutical research and of the use of modern antibiotics. Nevertheless, the variety of those complex drugs was building up. There was unquestionably an advertising pressure on the general practitioner to buy them, which tended inevitably to replace his naturally acquired skill in prescribing for the patient and in using what he learned as a student. When he himself had returned to general practice after a gap of fifteen to twenty years, he found a completely different climate of prescribing, particularly among the younger doctors. Some of the older men remembered the prescriptions of their younger days, the more or less inexpensive bottles of medicine which so often appeared to meet the case, but younger colleagues were often prescribing expensive tablets for similar and quite simple ailments. It was right that they should do so, if necessary, because a doctor was justified in treating the patient in the way that he saw fit. But he thought the problem perhaps arose in the medical schools in the lack of pharmaceutical training at present. That was a science which he thought had been going downhill, not only for the past twenty years but for twenty years before that. In attempting to solve the problem of the cost of drugs something of the old fashioned spirit must be recaptured and there should be inculcated into medical students and younger doctors the value of using simple remedies as well as the more expensive ones.

MR. JAMES GRIFFITHS said that the Labour Party would come to power before long and have an opportunity to consider the cost of drugs. As those requirements were essential to the nation, was not there a case for considering whether the State should manufacture those drugs as part of the National Health Service? That would render the Service more effective and enable economies to be made in that direction.

GLASGOW MEDICAL EXHIBITION

Brief review of new products

MEDICINE was deeply indebted to the pharmaceutical industry, said Professor S. Alstead (regius professor of materia medica in the University of Glasgow) when he opened the Glasgow medical exhibition on April 29. Never had the doctor been more superbly equipped than at present.

Many of the products to which Professor Alstead was referring were on display at the exhibition. Among those of recent introduction were:—

D.F. 118, containing 50 mgm. of dihydrocodeine bitartrate in ampoules of 1 ml, said to be an analgesic comparable with morphine for relief of post-operative pain. Claimed to be strikingly free of side effects. (DUNCAN, FLOCKHART & Co., LTD., Edinburgh.)

POLIVIRIN, a vaccine developed from the Salk vaccine using a less virulent type 1 strain, for active immunisation against poliomyelitis virus. B.C.G. vaccine, freeze-dried and with a life of eighteen months if stored below 20° C. (GLAXO LABORATORIES, LTD., Greenford, Middlesex.)

Chloromycetin APLICAPS, specially-shaped soft gelatin capsules containing 250 mgm. of Chloromycetin ophthalmic ointment, a quantity suitable for a single application. Cirotyl, a liquid laxative preparation containing a synthetic derivative of the active laxative principle of California prunes. Suitable for infants and children. CHLOROMYCETIN HYDROCORTISONE OPHTHALMIC, a combination of Chloromycetin and hydrocortisone for local application in the treatment of ocular diseases. Available as a suspension and as an ointment. (PARKE, DAVIS & Co., LTD., Hounslow, Middlesex.)

ANTHIPHEN brand dichlorophen, a new anthelmintic preparation supplied in tablets of 0.5 gm. for the treatment of infestations due to *T. saginata* and *Dipylidium caninum*. SONERGAN, an association of 15 mgm. of promethazine hydrochloride and 75 mgm. of butobarbitone in tablet form providing effective general-purpose sedation and hypnosis with reduced dosage of barbiturate. The anti-emetic properties of promethazine make it particularly valuable before and after routine operative procedures. STEMETIL, a new phenothiazine derivative issued initially as 5-mgm. tablets and 25-mgm. suppositories, indicated in the symptomatic management of migraine and kindred conditions, labyrinthine disorders, giddiness of other origins, nausea and vomiting. (PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham.)

CORTISPORIN, an ointment containing three antibiotics and hydrocortisone. Is claimed to have a wider antibacterial compass than any single antibiotic, and is anti-inflammatory. (BURLINGHAMS WELLCOME & Co., London.)

ADELPHANE, combining the two antihypertensives Serpasil and Nepresol for cases of mild and moderate hypertension that do not respond adequately to Serpasil alone. The components have a mutually potentiating action. Superior results, it is claimed, can thus be obtained using the combina-

tion than could be achieved with larger doses of either component alone. Ultracortisol is prednisolone trimethylacetate for administration by peri- and intra-articular injection in arthritis. (CIBA LABORATORIES, LTD., Horsham, Sussex.)

PENICILLIN-V-SULPHA is in tablet form with 125 mgm. of penicillin V, sulphadiazine, sulphamerazine and sulphadimidine. Also available as a pleasantly-flavoured suspension for children, containing 62.5 mgm. of penicillin V and 0.25 gm. of total sulphonamides in each 5 c.c. of a 60-c.c. bottle. (ELI LILLY AND Co., LTD., Basingstoke, Hants.)

MIO-PRESSIN is a multiple capsular treatment for the hypertensive syndrome; it contains *Rauwolfia serpentina*, protoveratrine and Dibenyline (phenoxybenzamine). Indicated in the treatment of all types of hypertension. (SMITH, KLINE & FRENCH INTERNATIONAL Co., London, S.E.5.)

PRIMOLUT-DEPOT, a long-acting progestogen in oily solution for deep intramuscular injection. A highly concentrated depot preparation in three strengths: 60, 125 and 250 mgm. (A. G. SCHERING, Germany, marketed in Britain by PHARMACEUTICALS (LONDON), LTD.)

OCTAFLEX, a paint that can be applied as an antiseptic covering for dry surfaces. Consists of a 1 per cent. solution of Octaphen, a quaternary ammonium compound in a plasticised organic solvent, and forms a pliable but adherent protective film. (WARD, BLENKINSOP & Co., LTD., London.)

STERISIL, a vaginal gel for the treatment of vaginal and cervical infections. It contains 0.1 per cent. hexetidine. The action is bactericidal. (WM. R. WARNER & Co., LTD., London.)

RUBRIMENT, an application containing 2.5 per cent. of nicotinic acid benzyl ester and 0.1 per cent. of capicin. Available as cream or liniment (non-greasy) for gentle application. Claimed to be a long-acting rubefacient. (HORLICKS, LTD., Slough, Bucks.)

ENPAC, a preparation of *Lactobacillus acidophilus*, for use in the prophylaxis and treatment of oral antibiotic side-effects and gastro-intestinal disorders. (APLIN & BARRETT, LTD., Yeovil, Somerset.)

DETTOL ANTISEPTIC CREAM, a preparation for obstetric and gynaecological purposes and for disinfection of the hands. Has a pH of 3. The parachlormetaxylene is dispersed through the aqueous phase by means of a small amount of sulphated lauryl alcohol. (RECKITT & COLMAN, LTD., Hull.)

NYSTATIN, an antifungal antibiotic now available in granular form for reconstitution as a suspension. For thrush in infants and children, and other forms of moniliasis. (E. R. SQUIBB & SONS, London.)

CELEVAC GRANULES, a flavoured methylcellulose used in colostomy management. Recommended also in the treatment of dysentery. (HARKER STAGG, LTD., London.)

CHEMICAL AND DYESTUFFS TRADERS

Thirty-fourth annual meeting of Association

THE annual meeting of the British Chemical and Dyestuffs Traders' Association was held in London on May 9. The chairman (Mr. C. F. V. Blagden) submitted the annual report. He expressed the view that the work of the Association would become increasingly important in the years ahead.

The report points out among other things that, while the Restrictive Trade Practices Act does not affect the Association as such, the Act and Orders made under it need to be examined by individual members. The Customs Duties (Dumping and Subsidies) Act has given the Board of Trade the power to take action against dumping and subsidies affecting goods imported into the United Kingdom. The Council regretted that there should be any extension of existing powers to impose import duties, and made representations during the passage of the Bill. As a result they were assured that the power to impose anti-dumping or countervailing duties could not be used for any wider protective purpose. For some time past the attention of trade organisations has been given to the proposed adoption of the Brussels nomenclature for the common classification of Customs tariffs. The rewriting of the United Kingdom tariff in Brussels-nomenclature form involves assimilating the Key Industry Duties to the general protective tariff. The relevant draft transpositions would have the effect of imposing Key Industry Duty on new and some existing products

which, under present procedure, would not incur the higher duty rate unless application were made for K.I.D. listing. The Association is opposed to that form of protection, and the matter has been discussed with the Board of Trade with a view to obtaining provision for such products to continue at the general *ad valorem* duty rate or, in the case of new products, for exemption from the higher duty on the application of any interested party.

Officers

The meeting elected the following officers:—*President*, Mr. G. S. Bache; *Vice-presidents*, Messrs. C. W. Lovegrove and H. Gilliat; *Chairman*, Mr. C. F. V. Blagden; *Vice-chairman*, Mr. D. F. Waugh; *Honorary Treasurer*, Mr. K. Williams, J.P.; *Executive Council*, Messrs. C. Fountain (Jensen, Lawson & Co., Ltd.); L. S. Heskins (R. W. Greeff & Co., Ltd.); B. B. Keegan, B.A. (Keegan Dyestuffs & Chemicals, Ltd.); Ian D. Orr, A.M.I.M.M., (James Miller Son & Co., Ltd.); and H. R. Peters (J. M. Steel & Co., Ltd.); *Honorary Auditor*, Mr. R. Heap.

Annual Luncheon

At the Association's annual luncheon in London on May 9 the chairman (Mr. C. F. V. Blagden) presided. THE SWEDISH AMBASSADOR (Mr. Gunnar Hägglöf, G.C.V.O.) proposed a toast to the Association. His fellow countryman Alfred Nobel, he said, had made a contribution to the building-up of the

British chemical industry, his ideas extending beyond explosives to, for example, synthetic fibres. There existed great co-operation between the Swedish and British chemical industries, and in 1956 there had been an increase in mutual trade in chemicals. With a general trade valued at around £300 millions annually Sweden was Britain's greatest trading partner in Europe, and that trade could be increased. Swedes were much interested in the proposals for a free-trade area in Europe. The next few years would be particularly important to the trade in chemical products and the Association had an important task ahead.

Acknowledging the Ambassador's toast the Association's CHAIRMAN (Mr. G. S. Bache) paid tribute to Sweden for her contributions to the arts, literature, music and chemistry. Referring to the prospects for international trade in chemicals he mentioned that an end of stockpiling in the United States had resulted in substantial reductions in price of certain heavy chemicals. The free-trade area bristled with difficulties but all must concede that it was a bold conception. In the formation of a strong *bloc* with common interests it was obviously necessary to recognise the dependability of the merchants, whose knowledge and traditions would go a long way to help smooth the way for that bold experiment. All in the industry should accord maximum support for the Association in the tasks which lay ahead.

CHEMICAL INDUSTRY SOCIETY'S NEW HOME

Handsomely equipped lecture and members' rooms

THE Society of Chemical Industry is now fully installed in a worthy headquarters that has been in preparation for some months and in fact has been partially in use for meetings.

The premises, Nos. 14, 15 and 16 Belgrave Square, comprise administrative offices, council chamber, members' rooms, a lecture theatre, and accommodation for the Institution of Chemical Engineers and Society for Analytical Chemistry. The council chamber, classical in design, is noteworthy also for its table, of which only part is normally in use. When it is used in the larger

lecture theatre upstairs the table measures 45 ft. 6 in. long and seats more than fifty persons. There are also a number of committee rooms and a tastefully furnished members' lounge. The cost of leasing, adapting and equipping the premises has been of the order of £250,000 (met by members' contributions, a legacy and donations). Before occupation by the Society No. 14 was the residence of the Duke of Norfolk and was used by him (in his capacity as Earl Marshal) for organising the Coronation of Queen Elizabeth II. A feature of the adaptation has been the

successful blending of traditional and modern and bold use of colour (after consultation, it is understood, with the Council of Industrial Design).

The Society itself is noteworthy as being the only British Society with an American section (second in size only to the London section). The Society has over 7,000 members and pioneered the group system of organisation: there are ten subject groups and others are projected. Each group functions as a specialist society but administrative services are provided by the parent Society.



Lounge, exterior and council room at the new headquarters of the Society of Chemical Industry at 14, 15 and 16 Belgrave Square, London, S.W.1, formerly the London residence of the Duke of Norfolk.

LEGAL REPORTS

Dry Rot from Next Door

A BROXBURN, West Lothian, chemist won an action in Edinburgh sheriff court on May 13 against his neighbour, a fishmonger, whom he blamed for causing dry rot in his shop through dampness. James McIsaac Peutherer, M.P.S., 21 Park Road, Broxburn, whose pharmacy is at Greendykes Road, brought the action, and the fishmonger was Thomas K. Graham. Peutherer asked for £100 compensation and an interdict to stop Graham from hosing out his fishmonger's premises. The sheriff in giving judgment said he would allow Peutherer £80 4s. 4d. As both parties agreed that an interdict against Graham would practically mean the closing of his business, and as Peutherer said he did not wish that to happen, he would not grant the interdict but would appoint an architect to report on the remedial measures that would be necessary.

Under Mental Stress

SENTENCE of six months' imprisonment was passed at Hull quarter sessions on May 7 on Gordon Frazer, M.P.S., aged sixty-one, 8 Sutton Road, Hull, after he had pleaded guilty to shopbreaking and larceny at the premises of a fellow chemist. Frazer admitted having entered the shop of Ronald Gourlay, Beverley High Road, Hull, by using a key which fitted the shop door. For the prosecution it was alleged that Frazer was stopped as he was leaving the rear of the premises with a quantity of medical and toilet requisites. The prosecution suggested that he had removed the goods from Gourlay's shop in order to boost the stock at his own shop in Hesse Road, Hull, which was but poorly stocked. It was stated that, when arrested as he was leaving Gourlay's premises, he was in possession of a key which fitted the door of those premises. The defence asked a detective-constable who was a witness in the case: "Would you describe Frazer as a broken man now?" The reply was: "Yes, I would." It was pleaded that Frazer's actions at Gourlay's shop were not premeditated. Frazer had been walking about the city all night because he had been unable to sleep. He was worrying because his daughter, a medical student, was undergoing a serious operation. "On this night he was in a state of distress, walking around trying to control himself. He had not gone out that night to steal from the shop of Mr. Gourlay. He only did it because he was in a state of complete confusion."

Facilities Given for Early Trial

IN the Chancery division, London, on May 7, a motion by the Cannon Rubber Manufacturers, Ltd., Ashley Road, Tottenham, for an injunction to restrain William Freeman & Co., Ltd., Peel Street, Barnsley, Yorks, from selling teats, not of plaintiffs' manufacture, made in a form and so packed as to be calculated to pass them off as and for the teats of the plaintiffs without clearly distinguishing them from those of the plaintiffs. For

plaintiffs it was said that they had sold over five million teats a year during the past five years. Defendants must have known of the plaintiffs' teats and their distinctive get-up, and it was alleged that they had deliberately copied them. Plaintiffs had introduced their get-up and container in 1939. Defendants' carton was just like that of the plaintiffs and their teat was in many ways indistinguishable from the plaintiffs'. The answer of the defendants was that the spiral ribs on the teats were functional and had a purpose. They also said that other manufacturers graded their teats into sizes. They denied that they had copied plaintiffs' teats or get-up. For Messrs. Freeman it was contended that the dimensions and shape of their teats were not identical with those of the plaintiffs, and that the markings were different. Mr. Justice Vaisey said he doubted whether the case was one for an interim injunction. There was a conflict of evidence and it would be difficult to frame an order that would tell the defendants plainly what they could or could not do. The matter obviously wanted litigating, and he would grant facilities for an early trial of the action. There would be no order on the motion, and the costs would be costs in the action.

Injunction at a Critical Moment

IN the Chancery division, London, on May 10, Charles Alexander & Co., Ltd., Tottenham Court Road, London, and Portsmouth Road, Surbiton, Surrey, were granted an *ex parte* injunction over one week restraining Devon Cold Wave Co., Ltd., from passing-off as and for the goods of the plaintiffs, by selling a permanent waving lotion under the name Pin-Perm, or Perfected Pin-Perm, or under any other name resembling plaintiff's trade mark Pin-Perm, so as to be likely to deceive or cause confusion, a product not of plaintiffs' manufacture. Messrs. Alexander's case was that the name "Pin-Perm" was distinctive of their goods. They introduced the trade mark in January 1956, and it was alleged that the defendants had advertised in the *Hairdressers' Journal* "Devon perfects their Pin-Perm." As on the plaintiffs' labels, the lettering was irregular, and the dot of the i appeared in the loop of the P. That was unjustified. The matter was urgent because the week after the advertisement appeared there was to be a Festival of Hairdressing exhibition in London and plaintiffs wished to prevent defendants from advertising their Pin-Perm at that exhibition, otherwise there would be considerable damage to Messrs. Alexander which it would be difficult to rectify.

Defendants desired time in which to answer the plaintiffs' evidence and they were not prepared to give an undertaking in the meantime. They said they received plaintiffs' evidence only on May 7, and the allegations made, which were denied, must plainly be argued. There might be a dispute as to whether what the defendants were doing was wrong. Plaintiffs' counsel said they had introduced a cold waving process

for the permanent waving of ladies' hair and had adopted the trade mark Pin-Perm for the lotion that was used. The process had been widely advertised, and plaintiffs had sold 180,000 bottles. Mr. Justice Wynn-Parry said the plaintiffs had made out a *prima facie* case. He granted the *ex parte* injunction. The motion would stand over for a week.

Magistrate's "This Has to Stop"

AT Old Street magistrates' court on May 10, Philip Emden pleaded guilty to two summonses, each for selling a substance recommended as a medicine when he was not qualified or authorised to do so. Operating from a stall in Club Row, E., Emden, who lives at 26 The High, Streatham High Road, S.W.16, was stated to have been doing a "roaring trade" in tablets that were "nothing more than a mild aperient." He was fined £5 and ordered to pay £5 5s. costs in respect of sales of Crusade Damiana tablets, and discharged conditionally for twelve months in respect of the sale of a "rub inhaler." The magistrate told Emden: "I want you clearly to understand that this has to stop and will do so unless you want very much more severe penalties." The solicitor for the Pharmaceutical Society, which prosecuted, told the court: "We have a defendant who has for some time past been making a substantial living by standing up in public markets and addressing, in an extraordinarily clever way, gullible members of the public upon the virtues of certain medications which we allege are of a worthless character." Emden had been placing quite a good deal of emphasis on sexual weaknesses. A "tremendously strong" recommendation was attached to the tablets. In a leaflet which Emden handed out he recommended them for a multitude of human ailments, including indigestion, rheumatism and sleeplessness. The inhalant, the subject of the second summons, contained formaldehyde, lavender oil, colouring matter and distilled water. In the submission of the prosecution the purpose of The Pharmacy and Medicines Act, 1941, was to guard the public against just such exploitation. If one sold a medicine, saying it was good for this, that or the other, one must be a qualified person, and Emden was not. The magistrate asked if the substances did much harm and was told "No, sir. They are quite harmless." Emden told the court "I don't practise medicine. I don't know anything about it. When I demonstrate I distinctly tell the people that if they have any complaints their doctor is best. My demonstrations usually take an hour to an hour and a half. When I finish I say 'Everybody needs a tonic, a revitaliser, and I demonstrate these tablets and the rub inhalant. I don't say my goods are the finest in the world. I don't manufacture them. I buy them in bulk and pack and sell them. There is the formula of what they contain and directions for use and what they are for.'"

COMPANY NEWS

Last year's figures in parentheses.

BARFOS, LTD.—Consolidated profit before taxation was £199,795 (£231,094) after all charges including depreciation of £26,517 (£25,729). U.K. taxation on current profits, £111,719 (£126,978); net profit £88,076 (£104,116). Overprovision for taxation in past years £6,986 (£11,049).

UCLAF, LTD.—Mr. P. J. A. Bourgois, who has had a long experience with Uclaf, S.A., France, has been appointed managing director. Mr. J. G. Machizaud who is managing director of Roussel Laboratories, Ltd., has been appointed vice-chairman. The issued capital of Uclaf, Ltd., is £300,000 which has been fully paid in cash.

EDWARDS HIGH VACUUM, LTD.—Group net profit for 1956 is £84,875 (£77,998), and dividend 15 per cent. on increased capital (25 per cent.). Lord Wilmot of Selmeiston (chairman), says company has developed its entire range of high vacuum equipment to standards of leak tightness comparable with those required for atomic energy. Proportion of home market increased on certain vacuum plants previously mainly supplied from abroad.

SMITH & NEPHEW, PHARMACEUTICALS, LTD.—Dr. R. Powell, B.A., B.M., B.Ch. (formerly head of the medical information department, Evans Medical Supplies, Ltd., Liverpool), has been appointed managing director of Smith & Nephew Pharmaceuticals, Ltd., Welwyn Garden City.

NEWTON, CHAMBERS & CO., LTD.—A slight increase in turnover is announced by the chemicals division for 1956 over the previous year. The company's policy of keeping prices unchanged, together with the absorption of numerous wage increases, however, resulted in the profit being only slightly higher than in 1955. Adequate supplies of paper during 1956 enabled the division to meet in full increases in the demand for toilet rolls while sales of disinfectants also increased. So far as 1957 was concerned, Sir Peter Roberts (chairman) announced that it was hoped that extensions to the Izal factory would be completed early this year.

BOOTS PURE DRUG CO., LTD.—Subject to audit the results for the year ended March 31 are as follows:—Group profits, before tax, £4,754,998 (£4,390,637); provision for tax, £2,643,671 (£2,309,661); profits relating to previous years brought into accounts (less tax) not included above £135,869 (nil); profit applicable to parent company, after tax, £2,191,828 (£2,029,454); net profit after all charges including tax £1,994,377 (£1,736,015). Proposed final dividend is 10 per cent. (against 8 per cent.) making a total of 16 per

cent. (against 14 per cent.) for the year. In view of the results of the year's trading the directors have again decided to pay a bonus of one week's salary to all staff in the home companies who satisfy certain conditions as to service, and they have also decided to pay an additional week's salary to staff with more than thirty years' service. The necessary provision has been made in arriving at the profits shown above.

BUSINESS CHANGES

JOHN WALKER (CHEMIST), LTD., have removed to 2 Medway Court, Leigh Street, London, W.C.1 (from 65 Judd Street).

PLYMOUTH CO-OPERATIVE SOCIETY, LTD., are to open their twentieth pharmacy at Congreve Gardens, Chaucer Way, Plymouth, on June 17. Mr. A. Tait has been appointed manager.

BROOK, PARKER & CO., LTD., have reopened their Glasgow dépôt at 65 Jamaica Street, Glasgow, C.1. The dépôt will be managed by Messrs. Dunlop & Menzies of the Dunlop Chemicals who will also represent them for the Glasgow and district areas.

Appointments

CALMIC, LTD., have appointed Mr. E. K. Luscombe manager of their London office, 2 Mansfield Street, London, W.1.

GEO. SALTER & CO., LTD., West Bromwich, have appointed Mr. F. Blincoe an additional representative for their Salterpak division in the Midland area.

SHELL CHEMICAL CO., LTD., Bedford Street, London, W.C.2, have appointed Mr. A. D. Buckland-Nicks industrial field sales controller; a post in which he will supervise the operation of all the sales divisions and will act, when necessary, as deputy for Mr. P. J. March, the new marketing manager (industrial). Mr. R. A. Atkinson, who joined the company in 1945, as a technical representative and became northern regional manager in 1955, has taken up a senior position with the chemical industry administration of the Shell Petroleum Co. As a result of the above changes, the posts of Northern and Southern Regional Managers, formerly held by Mr. Atkinson and Mr. Nicks, cease to operate.

DEATHS

PHILLIPS—On April 29, Mr. Benjamin Dunnill Phillips, M.P.S., 24 Park Road, Barnet, Herts, aged fifty-seven.

ROSE—On April 29, Mr. Francis Rose, F.P.S., 5 Adeline Road, Boscombe, Hants, aged eighty-five.

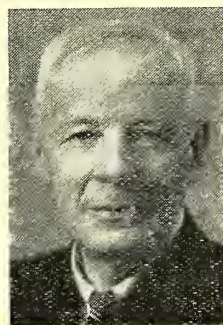
THARRATT—On April 29, Mr. George Row Tharratt, F.P.S., 27 Sydenham Avenue, Liverpool, 17, aged ninety-one. Mr. Tharratt was formerly in business in Myrtle Street and owned a branch pharmacy in Fenwick Street, Liverpool. He was a former secretary of Liverpool Chemists' Association.

TUDWAY—On May 3, Mr. William Ernest Teed Tudway, M.P.S., 441 Great West Road, Hounslow, Middlesex, aged forty-seven.

PERSONALITIES

MR. C. H. ROBINS, M.P.S., Church Street, Launceston, Cornwall, polled the highest number of votes in the recent election for Launceston council.

MR. H. B. MACKIE, F.P.S., Fareham, Hants (a former head of the



School of Pharmacy, Brighton Technical College), is flying to Malaya on May 22 to act as examiner of degrees in pharmacy in the University of Malaya. He is returning a week later. During his stay he is addressing

the local association of pharmacy and medicine.

SIR GRAHAM CUNNINGHAM (chairman and managing director, Triplex group of companies), has been elected a visitor for the Royal Institution of Great Britain.

MR. H. PETERS, M.P.S., 7 Hightown, Sandbach, Ches, has retired after a career of more than half a century in retail pharmacy. He qualified in 1908 at the old Manchester College of Pharmacy and worked in all parts of the country before he was appointed manager of a shop in the Potteries. Nine years ago he went to Sandbach where his son, Mr. Brian Peters, F.P.S., now takes over as manager.

MR. T. B. HARVEY, M.P.S. (a member of Plymouth council) was elected chairman of the Plymouth Executive Council recently and **MR. C. CONDY U'REN, M.P.S.**, was elected vice-chairman. Mr. Harvey is also a member of the special hospital management committee and the Plymouth and South Devon voluntary committee. It is the first time that a pharmacist has been elected to the chairmanship and it is believed to be unique that a pharmacist should concurrently be vice-chairman.

COUNCILLOR G. HEDDERWICK, M.P.S., has been appointed a justice

of the peace for the County of the City of Edinburgh. Councillor Hedderwick, who has served for seven years as a member of the Edinburgh Council, is a past chairman of the Edinburgh and South-eastern Scottish Branch of the Pharma-



ceutical Society and is a member of Edinburgh Executive Council. He is convener of the health and welfare committee of the town council and a member of the Northern Hospital board of management.

TRADE NOTES

A 12½-oz. Size. — J. & J. Colman, Carrow Works, Norwich, announce that they are now in a position to market a 12½-fl.-oz. size of Robinson's Sicilian lemon juice.

Reintroduced. — Evans Medical Supplies, Ltd., Speke, Liverpool, 19, announce the restoration to their range of Midgley's Medisoaps of a superfatted soap containing sulphur, camphor and Peru balsam.

Address for Correspondence. — The address of C. T. Laboratories, Ltd., manufacturers of Caprex (see *C. & D.*, April 20, p. 433) is 25 Savile Row, London, W.1, and not as previously stated.

An Additional Strength. — Roussel Laboratories, Ltd., 847 Harrow Road, London, N.W.10, announce the introduction of a ½ per cent. strength of Hydrocortisyl eye ointment to their range of corticosteroid preparations. The pack is a 3-gm. tube.

A Five-dose Vial. — Glaxo Laboratories, Ltd., Perivale, Greenford, Middlesex, have made available in a five-dose vial (in addition to the existing one-dose vial) their speciality Crystamycin. The pack is a nested carton containing ten vials.

Comb Cabinet. — "A little bit of counter sells a lot of Barnet combs" is the slogan adopted by E. R. Holloway, Ltd., Bessemer Road, Welwyn Garden City, Herts, to promote the ordering of refills for their Barnet comb cabinet. Generous profit margins are allowed to the retailer in a range of standard parcels.

Hay-fever "Season." — The Armour Laboratories (Armour & Co., Ltd.), Hampden Park, Eastbourne, Sussex, draw attention to the imminence of the hay-fever season and advise chemists to obtain their initial requirements now of Armour hydrocortisone-acetate insufflation sets and capsules, so as to be prepared for the heavy prescribing of those items which is to be expected from the experience of 1956.

Counter Service Unit. — A new Hallex comb and tooth-brush stand issued by the Hallex division of the British Xylonite Co., Ltd., Highams Park, London, E.4, not only displays handsomely and compactly 6 doz. Hallex tooth-brushes (hard and medium, nylon and bristle, "smoker's," and child's) and 6 doz. Hallex combs (nylon and acetate), but has at the back a free ball-point pen and memo pad.

"New Look" Pack. — Racasan, Ltd., Ellesmere Port, Ches, have recently restyled their air freshener and moth block. Each is now presented in an attractive carton and display box containing six alternative perfumes (heather, lavender, lilac, narcissus, pine and violet). The box is in pink and blue and the inner cartons are in delicate pastel shades. Before designing the carton the company carried out a market survey to discover what features women preferred in the product.

Bonus Offers

W. B. CARTWRIGHT, LTD., Rawdon, Leeds. Moorland indigestion tablets. Thirteen to doz. on direct orders dur-

ing the remaining weeks of May.

GEORGE EADE, LTD., 232 Goswell Road, London, E.C.1. Nora Giles hand cream. Fourteen to doz. For limited period.

HALEX DIVISION, BRITISH XYLONITE CO., LTD., Highams Park, London, E.4. Hallex combs and tooth-brushes, 5 per cent. bonus discount with special display stand. Until July 31.

NU-SAN, LTD., Wellington Circus, Nottingham (distributors: Dalmas,

Ltd., Leicester). Burnojel. Thirteen to doz.

RILLING CO. (RILLING-HILLS, LTD.), Borough High Street, London, S.E.1. "Natural set" lanolised hair spray in aerosol container. Thirteen to doz.

POTTER & CLARKE, LTD., River Road, Barking, Essex. Antasma. Twelve charged as eleven on orders for 2 doz. small plus 1 doz. large and not as previously stated. Through wholesalers only.

NEW PRODUCTS AND PACKS

Tablets of Prednisolone. — Parke, Davis & Co., Ltd., Hounslow, Middlesex, announce the availability of prednisolone, P., D. & Co., in bottles of twenty-five, 100 and 500 compressed scored tablets each containing 5 mgm.

Nasal Spray in Plastic Nebuliser. — Sandoz Products, Ltd., 134 Wigmore Street, London, W.1, have introduced a new product Sandosten nasal spray containing thenalidine with calcium-Sandoz and ephedrine. The pack is a plastic nebuliser containing 10 mls of solution.

Glycyrrhetic Acid Specialities. — Biorex (Marketing), Ltd., 47 Exmouth Street, London, E.C.1, are marketing additional Biosone G.A. (glycyrrhetic acid) products. They are tar-Biosone G.A. ointment; tar-Biosone G.A. ointment with salicylic acid; Biosone G.A. ointment with neomycin, non-greasy; and Biosone G.A. vaginal pessaries (pack of twelve).

Powder for Suspension. — E. R. Squibb & Sons, Ltd., 17 Old Bond Street, London, W.1, announce the availability of a new medicinal speciality, Nystatin powder for suspension. The product is intended for the treatment of oral thrush and intestinal moniliasis, especially in infants and children. Nystatin for suspension is supplied in a 24-dose vial which, when constituted by the addition of 22 c.c. of water, retains its potency for seven to ten days.

Advertised Hand Cream. — George Eade, Ltd., 232 Goswell Road, London, E.C.1, have launched a new product, Nora Giles hand cream, which is available in a cartoned tube.

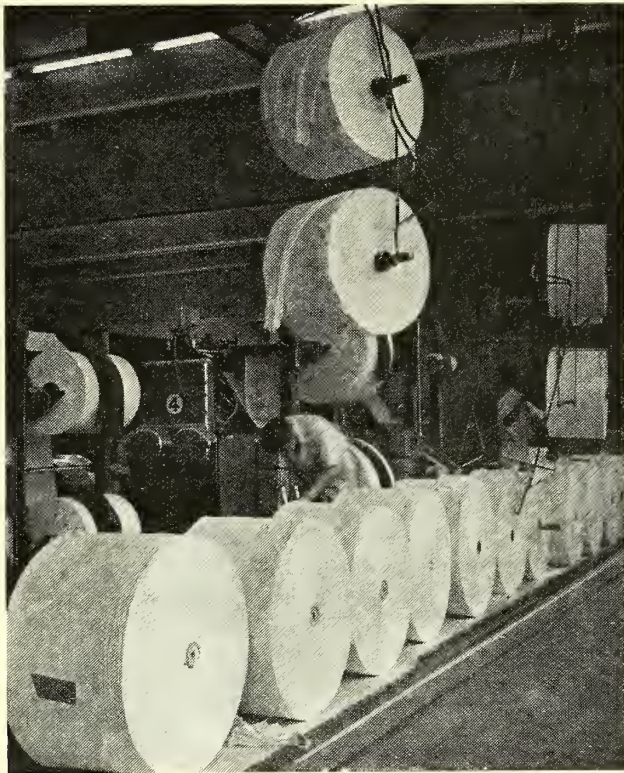
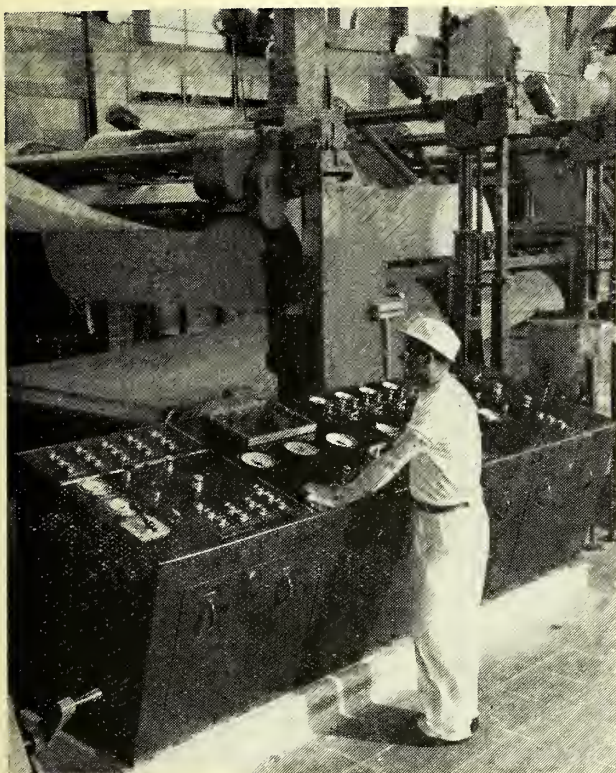
Chocolate-flavoured Glucose. — A. L. Simpkin & Co., Ltd., Hunter Road, Sheffield, 6, are launching on May 18 a new chocolate-flavoured variety of their Vita-glucose tablets.

"Mediterranean Sea" Tan. — Cupal, Ltd., Blackburn, Lancs, are marketing a new aerosol sun spray and cream, Sooth-tan. Claimed to contain powerful sun screen agents that prevent the skin from first going red, Sooth-tan is stylishly packed and shown mounted on an attractive, modern showcase sent with every half-doz. aerosols.

"Travel-pack" First Aid. — Cuxson, Gerrard & Co., Ltd., Fountain Lane, Oldbury, Birmingham, have introduced a new first aid "travel pack," differing from the company's existing range in that medicinal items are included in addition to the usual plasters, etc. Their inclusion is intended to provide for those "often forgotten" aspects of first aid when minor upsets are encountered away from the home medicine chest. The outfit is uniform with the Compactoid series and finished in cream, red and white. It contains burn and wound cream, mosquito repellent, dressings, safety pins, eye loop, analgesic tablets, laxative tablets, indigestion tablets and a first-aid booklet.



"TRAVEL-PACK" FIRST AID: To provide for contingencies that may arise out of reach of the home medicine chest, Cuxson, Gerrard & Co., Ltd., in their "travel-pack" first-aid outfit provide simple medicaments such as laxative and indigestion tablets in addition to dressings and plasters.



EUROPE'S LARGEST CELLULOSE-WADDING PLANT

Prince Philip at start-up of 3,000-foot-per-minute machine

A NEW high-speed crêpe wadding machine, started-up during a visit of Prince Philip, Duke of Edinburgh, to the Reed Paper Group at Aylesford, Kent, on April 30, has a potential output of 3,000 ft. per minute. The machine, which has taken more than three years to plan, design and build, is part of a £2½-million development scheme of Kimberly-Clark, Ltd., a company owned by the Kimberly-Clark Corporation, Neenah, Wisconsin, in association with the Reed group. The installation includes a new mill for making the wadding and a factory for converting it into the company's finished products. It will increase the production of cellulose-wadding products by more than 100 per cent.

The building has been designed to incorporate under one roof the preparation of pulp, manufacture of wadding, its reeling and slitting. The material is mechanically conveyed to the conversion plant. The cellulose-wadding machine itself consists essentially of, first, a reservoir of the pulp, from which a belt picks up the wet mass and conveys it to a drum. From the drum, after heat and pressure treatment the material emerges as a dry continuous sheet which is wound on to wide rolls. The roll, on reaching a certain diameter is cut through into smaller reels for automatic conveyance to the conversion factory.

The mill block has an area of 250 × 150 ft. and an overall internal height of 50 ft. The reinforced concrete frame is walled in with 11-in. cavity brickwork, with roof frame of curved steel trusses. Flooring is of reinforced

concrete. There are two main floors, with the machine substructure at ground level and the machine itself on the first floor. A "mezzanine" or gallery floor runs the length of the building on either side and gives access to the upper frame of the machine. From dado height above the "mezzanine" floor level the walls are double-glazed to about three-quarters of their area. (Double glazing combines insulation with stable visibility.) A system of air-conditioning operates throughout the mill. On and above the main machine floor level, the scheme of decoration makes use predominantly of pastel shades, and the machine is picked

out in bolder colours.

In addition to increased production of such well-known existing lines as Kleenex facial tissues, Delsey toilet tissue, Kotex sanitary towels, Hi-Dri paper towelling, Sanek barber neck strips, Kleenex tissues for men, several major new industrial products (such as industrial and car filters and car-body wadding to house insulation and disposable clothing) are in prospect.

The illustrations above the title show, left: the instrument panel on which is controlled the winding of the wadding; right: rolls of cellulose wadding cut to the width required for handling in the conversion factory, in process of stacking in readiness for use.

MANUFACTURERS' ACTIVITIES

Fifty Years' Service.—At the third annual dinner of the Dalmas Twenty-five-Year Club (Dalmas, Ltd., Leicester), held in Leicester, recently, Mr. F. Charles received a cheque on completing fifty years' service and Mr. B. L. Jayes a gold watch on joining the club after twenty-five years' service. Among those present were Mr. S. Bott and Mr. J. Parkin, two former employees, who had each completed fifty years with Dalmas, Ltd.

Lipstick "Bee."—A lipstick "bee" was held in London recently by Associated Products, Ltd., Davies Street, London, W.1, girls of varying ages and occupations being asked to award points for texture, perfume, flavour and staying quality. A number of new and experimental Tattoo lines were given to the girls in a selection of unmarked lipsticks which included

other well-known brands. The girls, who included Miss Iris Waller (Miss Great Britain) awarded points to each lipstick. Nearly all gave points to one of the new experimental Tattoo lipsticks, which emerged joint favourite with a well known brand already on the market, and which are now being developed.

New Factory.—Flags representing the countries in which May & Baker, Ltd., Dagenham, Essex, have associated houses and branches, formed an avenue through which the lord mayor of Norwich (Councillor Arthur South, J.P.), drove to open the company's new factory at Sweetbriar Road, Norwich, on May 9. After the opening ceremony, the lord mayor, accompanied by members and officers of the city council and by directors of May & Baker, Ltd., inspected part of the new factory site of over 100

acres. The civic party saw a number of process buildings in course of construction and made a detailed inspection of the new plant for the manufacture of Tropotox selective weed-killer which is already in full production. On leaving the site, the visitors saw two houses built for the two senior foremen. Those houses were built to the main specifications of the winning design submitted by students of architecture in a competition held at the Norwich School of Art.

"Spot the Smile." — Johnson & Johnson (Gt. Britain), Ltd., Slough, Bucks, were the hosts at a small luncheon party in Liverpool, on May 1,

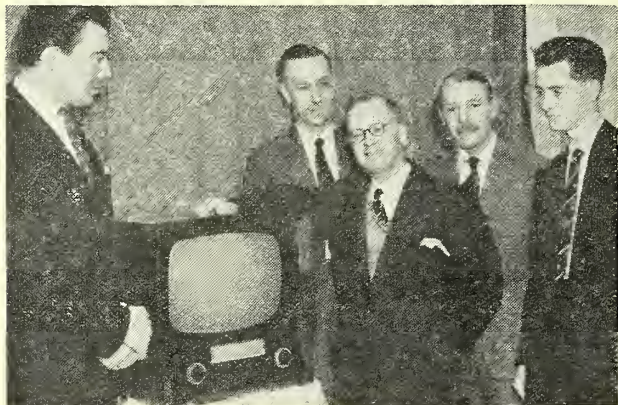
(directors) who had been with the company since its inception. The company's works was, he said, one of the most modern in the industry, and he hoped the company would enjoy the long future all its members had worked so hard to ensure. In his reply Mr. ATKIN recalled that the organisation had started humbly "in a small backyard." It took root and in 1939 acquired its present site. Permission to build was withdrawn and only gradually and grudgingly granted in the post-war years. The factory now occupied 50,000 sq. ft. and on a new 2½-acre site a 25,000 sq. ft. warehouse was expected to be complete in September. The company

concluded with a floor show and dancing.

"FORTY YEARS" AWARDS

Dinner to long-service personnel

IN what is becoming an annual affair Allen & Hanburys, Ltd., London, E.2, at a dinner in London on April 26, honoured a dozen employees of forty years' service. As the diners, apart from special guests, had all themselves served twenty-five or more years with the company, and it was a very large gathering, the company seems to offer a high security of tenure to its employees. The company's chairman (Mr. J. C. Hanbury) presided, and he was supported at the main table by other directors and executive heads of departments. A toast to the company was proposed by Mr. J. FERRABY, and in his response Mr. HANBURY mentioned that two members of the associated Australian company (Mr. Luker and Miss Wright) had completed a quarter-century with the business and that Mr. Eastland was returning to Britain at the completion of a project in the South African company. The long-service personnel, to whom cheques or other awards were presented by the chairman at the conclusion of the dinner, were, from Bethnal Green, Mrs. L. Adair, the Misses E. Bullock, E. and W. Deakin and J. Walton, Messrs. B. W. Clark and A. Standen; from Ware, Messrs. F. Beazley, F. Harper, F. Hemmings and A. White. A presentation was also made to Mr. W. E. ("Bob") Baines on his retirement.



Spot the smile on the winner of the television set in the Johnson & Johnson (Gt. Britain), Ltd., Tek tooth-brush competition. Happy man is Mr. N. R. Manson (centre) pictured with (left) Mr. G. C. Kent (products manager, Johnson & Johnson), Mr. Peter R. Manson (right) and at rear Mr. F. Fleetwood, M.P.S., Crosby, Liverpool, and Mr. J. P. Gregson (Liverpool representative of Messrs. Johnson & Johnson).

when Mr. N. R. Manson, winner of the "spot the smile" competition, was presented with the first prize of a television set. Representing Messrs. Johnson & Johnson were Mr. G. C. Kent (products manager) and Mr. J. P. Gregson (Liverpool representative). Mr. Manson has been a dispenser at the pharmacy of Mr. F. Fleetwood at 177 College Road, Crosby, Liverpool, for the past eight years. In the competition entrants were required to identify correctly the smiles of nine film stars and state why they recommended Tek tooth-brushes. Mr. Manson correctly identified all nine film stars and gave the following reasons why he recommended Tek: "Because they are attractive in design and of sound construction. One has the utmost confidence in recommending and selling Tek tooth-brushes." When the entry forms arrived he placed one in his desk and only came across it again on the day before the closing date. He completed the entry, with some assistance from his wife and the girls at the shop, and had to go to Waterloo, Crosby, to post it in the special late collection box to ensure delivery at Slough on the last day for entries.

Coming-of-Age Dinner. — To celebrate the twenty-first anniversary of the company's foundation, the directors of Cannon Rubber Manufacturers, Ltd., Ashley Road, London, N.17, entertained their employees and guests to a dinner and dance at the Trocadero restaurant on May 7. The founder and managing director (Mr. D. Atkin) presided and Mr. W. D. WALLACE proposed a toast to the company. He said he had known Mr. Atkin for most of the twenty-one years and had early met Messrs. J. Sefton and E. Dowling

was "the largest single manufacturer of hot water bottles in the free world" and more than 30 per cent. of its output went for export. The celebration

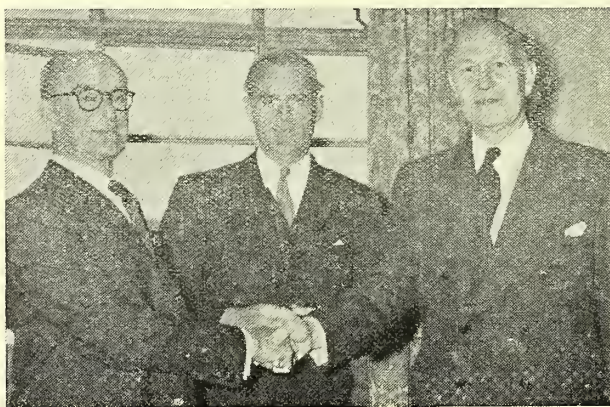
DOUBLE ANNIVERSARY

An employee's fifty, the company's 150, years

HIS own half-century with S. Maw, Son & Sons, Ltd., Barnet, Herts, coinciding with the company's own one-hundred and fiftieth anniversary, Mr. Stewart Lardner was on May 7 presented with a cheque by the directors. Mr. Lardner, who joined the company as invoicing clerk in April 1907, is the sixty-fourth employee to complete fifty working years with Messrs. Maw. During his service with the company he has helped to establish new costing systems and was a founder member and financial secretary of the company's social club.

The company was founded in 1807

by George Maw, a Lincolnshire farmer's son. Twenty years later his sons took over and the company became J. & S. Maw. The younger brother (Solomon) in 1835 became senior partner, and his name is perpetuated in that of the company. Solomon's son Charles became a partner in 1860, only a year before his father's death, and had to take over sole direction at the early age of twenty-six. During his spell at the helm (the last forty years at the turn of the century) the business grew rapidly. In 1921 its continuing expansion made necessary the building of a new factory, and the removal was made to Barnet. After the 1939-45 war the fifth generation of the family took over the direction of the business on returning from their units, and the most recent annual report shows the most successful year in the company's history.



Mr. S. Lardner (left) receives congratulations and a cheque from the chairman of the company (Mr. H. A. A. Mallet). Between them is Mr. J. K. Maw.

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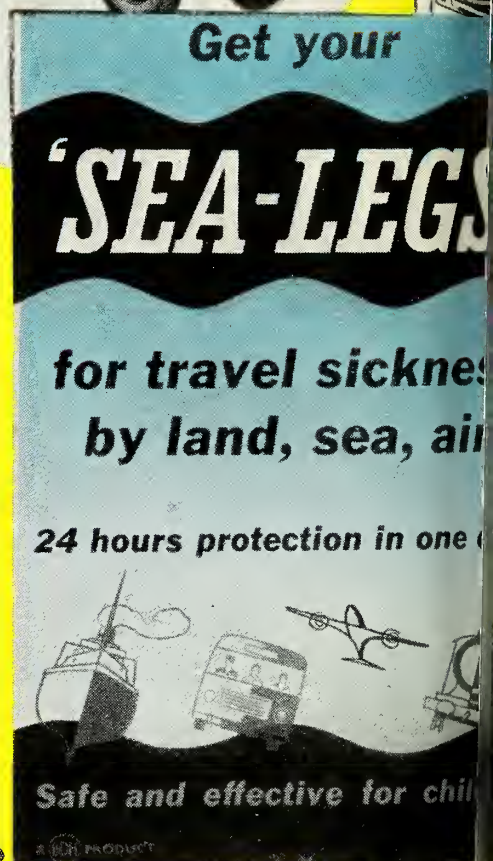
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best-ever protection from travel- sickness

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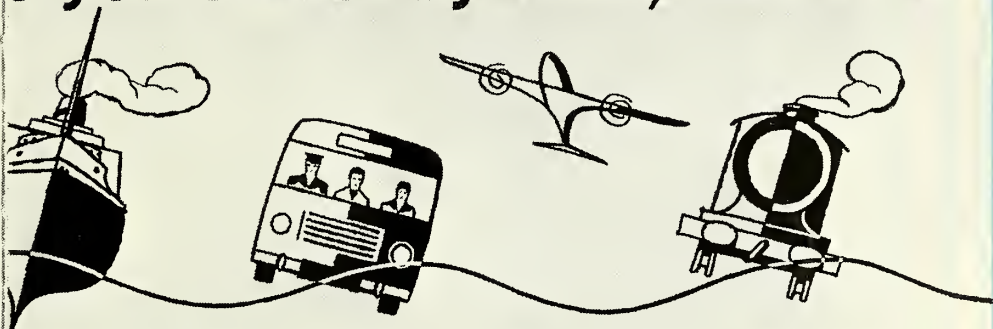


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Never again!



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Whether you travel by land, sea or air
24 hours protection in one dose

Those who are affected by bus and coach journeys, to holiday makers who view the Channel with foreboding, and to everyone who has ever known the misery and embarrassment of travel sickness.

You and your children need never be travel-sick again! Get your 'SEA-LEGS' before you start. 16 tablets in neat plastic case from all chemists. 2'6.



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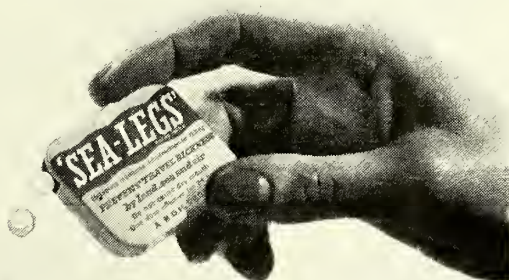
'SEA-LEGS' no heaving ship, swaying coach or dipping plane

They are tiny tablets made to a proven formula by The British Drug Houses Ltd. You take two before your journey and not only are you free from the hateful feeling of sickness, but you will not feel any dizziness, thirst or blurred vision. There are no unpleasant after-effects.

SAFE FOR CHILDREN OF ALL AGES

In 'SEA-LEGS' pharmaceutical science has conquered travel-sickness with a preventive that is so safe it can be given to quite small children (they take one tablet instead of two).

'SEA-LEGS' will be a boon to people who are affected by bus and coach journeys, to holiday makers who view the Channel with foreboding, and to everyone who has ever known the misery and embarrassment of travel sickness. You and your children need never be travel-sick again! Get your 'SEA-LEGS' before you start.



'SEA-LEGS' 16 Tablets in plastic case 2'6

TRADE MARK

From your chemist



Atlantic tests on 17,000 troops prove success of 'Sea-Legs' formula

In an attempt to find the most successful protection against travel sickness, thorough scientifically controlled tests were carried out on nearly 17,000 troops crossing the Atlantic.

Most effective of all

Altogether 25 compounds were tested; 2,657 volunteers were given meclozine dihydrochloride tablets (the active substance in 'SEA-LEGS'). The results showed conclusively that no substance gave greater protection from the effects of motion, and not a single rival produced results which lasted so long.

No after-effects

Such after-effects as dry mouth, blurred vision, etc. were undetectable. Furthermore, symptoms of travel sickness such as dizziness, nervousness and weakness were reduced to a greater extent than with any other remedy tested. This compound emerged clearly as the best preventive for travel-sickness ever recorded.

The British Drug Houses Ltd., have now made this remarkable formula available to the public, under the name of 'SEA-LEGS'.

A (BDH) PRODUCT

'SEA-LEGS'

TRADE MARK

24 Hours protection in one dose
Safe for all children

PREDICTABLE ANTACID THERAPY



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TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

Educational Change—by Degrees

It is announced that a discussion on the educational policy of the Council of the Pharmaceutical Society is being opened by Mr. Allen Aldington at its annual meeting on May 15. Rumour has it, though we write before the event, that Mr. Aldington's purpose is to elicit a clear and unmistakable answer to the question: Is it Council policy that before long all entry to the profession shall be by way of a university degree?

Criticisms of current educational policy in pharmacy have been heard at many local meetings in recent months, but they do not seem to have matured into any constructive opposition. The reasons for that inconclusive outcome are mainly twofold. One is that nobody is yet quite sure of the full extent of the Council's intentions: it is to be hoped the answer given at the annual meeting will clear up doubts on that score. The second is that, while many hold strongly that any educational policy for pharmacy, whatever else it does, should produce practising pharmacists in adequate numbers to replace those who are providing in shops today the medicines prescribed by medical practitioners under the National Health Service, they find it less easy to map out a course that will achieve that end.

Perhaps at the present stage, and by ordinary members of the Society, it may not be essential to do so. As they look at what is happening today and see, as they think, too high a proportion of trainees being educated for posts in pharmaceutical manufacture (or certainly not for retail posts) and perhaps even for positions outside the pharmaceutical field altogether, members anxious about the future may be taking action enough at the moment if they say to their Council: "Your policy is not producing the results we believe essential to safeguard our future. We insist that you direct it towards attracting into, and training for, work in our shop pharmacies enough entrants to ensure our succession." If that mandate were to be firmly given, the Education Committee would have or could find the experts to give effect to it.

The protagonists of the present policy may perhaps assert that they are already doing so. They may say that, because a man has a degree, he is not necessarily lost to shop life. There is some truth in that claim. Some do find work "in the retail" congenial. But they are a minority. Far more, making their first acquaintance with life in a pharmacy during a post-graduate apprenticeship, experience a sharp disillusionment and seek elsewhere something more like the exclusively scientific work they had been led to expect. We have

cited the degree-holders as being the most likely to react in that way, but in fact many diploma students suffer a similar disillusionment. How can it be otherwise when they have had no earlier opportunity of sampling shop life than when they have completed their training and are ready, as they think, to practise their profession?

The Council's failure to make a clear statement of its intentions for the future may betoken a cleavage of opinion within its own ranks. Whether that is so or not, there are indications that somebody at Bloomsbury Square is working purposefully enough to bring about a situation in which all pharmacists shall be trained at a high university level. It is, of course, right that educational standards should rise. It cannot be right that most graduates' picture of their calling is something that does not exist, or that they should be discontented with what does. The opinion has been heard, even from responsible quarters, that when they find there are not so many academic or industrial opportunities as they had supposed, many will be driven back into the retail. Can anybody accept complacently the prospect of a pharmaceutical service operated reluctantly by pharmacists who would rather be anywhere else than in a shop?

All too easily, under the new machinery for introducing by-laws, changes are brought about—as recent Privy Council approval for regulations governing registration as a student and new rates of examination fees have proved—quietly, step by gradual step, without public discussion, until a point of no return has been reached. It is that situation which members uneasy about present trends would do well to resist.

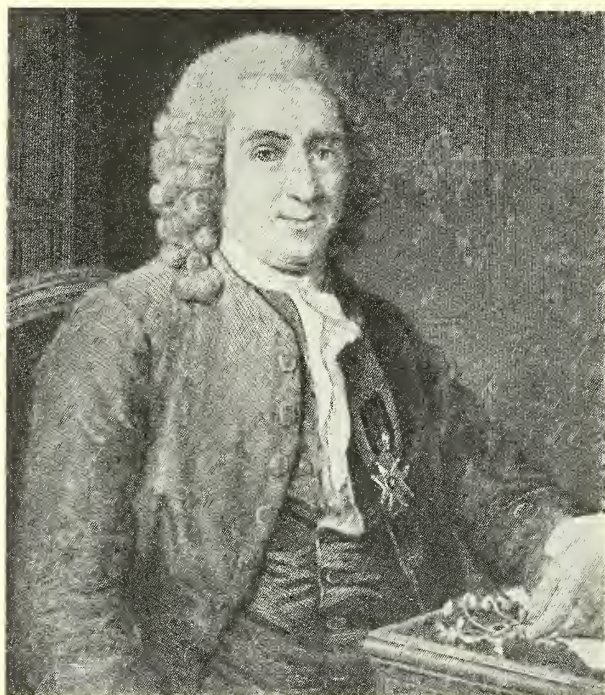
MEDICAL ABSTRACTS

HAEMOPHILIA ANTIDOTE

THE preparation of a concentrate of human antihaemophilic factor and its use in the treatment of six cases of haemophilia, in some of which fairly radical surgery was undertaken, is described by Kekwick and Wolf (*Lancet*, 1957, 1, 647). The authors found that the intravenous injection of their concentrate arrested internal and external bleeding and permitted surgical intervention without abnormal bleeding. The concentrate of human antihaemophilic factor which contained not less than 85 per cent. of the initial activity, was separated aseptically from fresh citrated normal human plasma. Solutions of the concentrate were dried from the frozen state without significant loss in activity and the activity of the freeze-dried material was retained for several months with only slight loss.

COUGH SUPPRESSANTS COMPARED

LINCTUS diamorphine, B.P.C., given in the largest recommended dose (min. 120) was not evidently superior to a pholcodine compound (Lipect, John Wyeth & Bro., Ltd.) in the suppression of cough in a controlled clinical trial conducted with a group of forty-five patients (*Lancet*, 1957, 1, 869). A new method of sequential analysis was used by Snell and Armitage to assess the preferred course of treatment. The trial compared the effect on cough of linctus diamorphine, pholcodine and a placebo when they were given in a dose of min. 120 before the patient went to sleep. Each preparation was given for two days, the whole course lasting six days. The patients all had cough of several months' duration and the severity in all cases was such as to lead the patients to ask for relief. The use of the linctus at night was thought to give the patients a better chance to assess the severity of their cough. An expectorant mixture was given to some during the day but no cough suppressant was administered. At the 5 per cent. level of significance there was no evidence of difference between the diamorphine and pholcodine preparations, but both were more effective than the placebo.



LINNÆUS

(Born 250 years ago
on May 23)

T. E. WALLIS, D.Sc., F.P.S.,
F.R.I.C., F.L.S., F.R.M.S.

THE name of Linnæus is familiar to all those who are interested in botany and zoology, whether from an academic or from an economic standpoint. The pharmacist in particular is acquainted with his name, because it is associated with the nomenclature of the numerous plants and animals which yield remedial agents.

To many it comes rather as a surprise to learn that Linnæus was born on May 23, 1707, just 250 years ago. He lived an active life until his seventy-first year. When he died in 1778 he had lived through a span of years that included the whole of the reign of Queen Anne, the reigns of George I and George II, and the first eighteen years of George III. In this country two of the best known of his contemporaries were Samuel Johnson (1709-84) and John Wesley (1703-91). Those particulars help in providing some idea of the period in which Linnæus lived, about 100 years before the formation of the Pharmaceutical Society of Great Britain.

That the name of Linnæus should have continued to be familiar to all those who are concerned with animals and plants is due to his genius in establishing a type of nomenclature for those groups of organisms, and also for arranging them in categories by an artificial classification that was easy of application and based upon characters showing little tendency to variation. By using his system, naturalists were able to name accurately the organisms which they collected, and they became enthusiastic followers of Linnæus' principles of classification. The service he thus rendered to biological science gave a great impetus to the study of living organisms and especially to the cataloguing of plants and animals from all parts of the world.

Early Interest in Natural History

Carolus Linnæus is the latinised form of his name—Carl Linné; he was born at Rashult in Stenbrohult, a district in the province of Småland in southern Sweden. His father was a clergyman fond of flowers, which he grew in his garden. His son early acquired a similar liking for plants and an interest in their uses. After spending twelve years at school, and having reached the age of eighteen, he showed an evident dislike for theology, which was proposed as the aim of his studies. His father therefore considered apprenticing him to some trade and at that juncture a physician of the town, who had noted his interest in natural history,

suggested that his inclination towards that subject might eventually result in his making a career in medicine or natural history. The physician received Linné into his home and taught him the elements of physiology and botany.

To further his studies Linné went in 1727 to Lund, and became curator of the Gardens of the University there at the age of twenty-three. He entered the University shortly afterwards, living with Stobæus, who was a physician and taught him the art of preparing herbarium specimens.

In 1728 Linné moved to the university at Upsala to continue his medical studies and, while there, studied the plants in the garden of the university. At that time Dr. Celsius, the professor of theology, was preparing a description of the plants of the Bible and, having by chance met Linné in the garden, invited him to assist with the work and took him into his house, allowing him free use of his library. While studying under those conditions the idea occurred to Linné of using stamens and carpels for purposes of classification, and Celsius, having observed the direction of Linné's talent, introduced him to Rudbeck, the professor of botany. In 1730 Rudbeck made Linné his assistant and entrusted him with certain lectures and other duties. Shortly afterwards, from 1732 to 1738, Linné travelled in Lapland, France, Holland and England, and graduated as M.D. at Harderwijk. At Leyden, Holland, Linné produced the first outline of his *Systema Naturæ* which was printed in 1735 as a pamphlet at the expense of the botanist Gronovius, who also named, in honour of Linné, a small plant growing on the floor of the pine woods in Norway, *Linna borealis*. It was at that period that G. Clifford, a wealthy Dutch banker living near Haarlem, Holland, invited Linné to take charge of his large garden, and in 1736 sent him to London. While in England, Linné visited Philip Miller at the Chelsea Physic Garden, also Sir Hans Sloane and the botanic garden at Oxford, where he became acquainted with J. J. Dillenius, the professor of botany. After the visit Miller used the Linnean nomenclature in the next edition (the eighth) of his *Gardener's Dictionary*.

Linné returned to Holland and prepared the *Hortus Cliffortianus* in 1737. In the same year he published his *Genera Plantarum* in which he made a beginning of clarification of botanical nomenclature by critically reviewing all named genera and giving a concise diagnosis for each. After some further travel in Belgium and France, he returned to

Sweden and practised for a time as a physician in Stockholm.

The professorship of botany at Upsala fell vacant in 1742, and Linné was appointed professor in that University. There his reputation rapidly grew and his students increased in number from 500 to 1,500. Several of them travelled in unexplored regions, such as Arabia, Syria, North America, South Africa, Japan, etc. In 1753 Linné published the first edition of his *Species Plantarum*, in which brief critical diagnoses are given of about 7,300 species of plants arranged in groups according to his sexual system, and including lists of synonyms. In that book each plant is designated by two words only: a generic name and a specific epithet. That edition of his *Species Plantarum* is now accepted as the starting point of botanical nomenclature. In the same year Linné was created a Knight of the Polar Star and, when a patent of nobility was granted him in 1761, his style became Carl von Linné. He died, as already mentioned, in 1778 at the age of seventy-one and was buried in the Cathedral of Upsala.

For both botany and zoology Linnæus evolved order out of chaos. He collected the existing names of all known species of plants and animals and reduced each of the names, which at that time frequently consisted of a long descriptive phrase, to two words only. The generic name showed relationship with other nearly allied organisms, and the qualifying epithet indicated each individual species in the genus. The generic name is a substantive and the epithet an adjective agreeing in gender with the generic name.

In addition Linnæus added a brief diagnosis for each species, thus introducing a short crisp style, which gave a new terseness to biological descriptions. His general arrangement of the families and larger groups simplified the process of searching for the name of any particular organism,



To commemorate the Linnæus jubilee the Royal Swedish Mint has stamped a medal, designed by Mr. Léo Holmgren, a coin-engraver. The obverse shows the young Linnæus examining a flower and making notes about it. The reverse shows his motto "Tantus amor florum" (a quotation from Virgil) and the years of his birth and death. It also shows the flower *Linnaea borealis* and the insect *Chrysocista linnaea*, both named after him.

thereby assisting the work of explorers and others who were studying the flora and fauna of selected regions. His industry was unlimited and his judgment keen, enabling him to decide upon distinguishing features with unerring accuracy. These personal qualities have given him a perennial reputation and keep his name in perpetual honour throughout the centuries.

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TO AMERICA AND BACK IN 365 DAYS

HUGH GREEN

AS perhaps the readers of the *C. & D.* know I left England for a visit to Canada and the United States in March 1956 and returned in April 1957.

With my wife and my family of two we had spent about six months in Canada, the rest of the time in the United States. I have dealt in previous articles with how I had sold my pharmacy, completed the formalities for visiting both America and Canada, and let our house for a year.

Our year abroad we managed almost entirely under our own steam, and the cost of it all was little more than we would have spent on two years' summer holidays. Any discomfort or inconvenience that we had in uprooting ourselves was more than justified, the experience being so completely enjoyable in every way for us all that we would repeat it again if we could.

During the year I constantly received letters from various readers asking me to give details of life in Canada and the U.S.A. for pharmacists. Unfortunately—and I must apologise here—I found that my time in meeting and making many new friends was so completely taken up that I neglected to answer those queries. Those omissions I hope to make good in the present series of articles. I would be pleased to answer any other questions that readers may care to put to me through these columns.

I intend, now that there is time to write in rather more detail, to write about the things that happened to us, about the pharmacies I worked in and the general conditions of work and opportunity in both Canada and the States. My intention is not either to encourage people to emigrate or discourage them from doing so but rather with the idea of helping others to attempt the same sort of thing as we did, and to prove that it is quite possible for people of limited means to travel and see something of the world we live in.

Before leaving the country to embark on a journey abroad

an absolute essential is to be in possession of a valid and current passport. Once you have arrived at your destination the passport has served its purpose, and for all practical use may be put aside. The document that then becomes of prime importance is the certificate of professional competence—in my case my registration as a member of the Pharmaceutical Society of Great Britain. For me the ownership of that certificate achieved more than any other item that I could have taken with me. It enabled my family and myself to live in Canada and the United States, and to be assured of sufficient money to be able to keep us. It enabled us all to understand something of the New World as it really is, and not to have to rely on the distorted picture presented by brash newspaper headlines and flamboyant films.

The leaders in this field of travel on a pharmacist ticket are without question the Australians and New Zealanders. One finds them everywhere popping up and down like kangaroos. Many of them complete their courses at home and decide that, before settling down, they are going to see the world. I met two in Canada. They had worked in London for eighteen months and loved it. While they were over in Britain they visited the Continent of Europe, in between working as locums. They saved enough money to pay their fares to Toronto, where I met them, and they were then in the process of taking their Canadian driving test to enable them to ferry a car from Detroit to San Francisco. From there they intended to fly home.

We arrived in New York in a blizzard in March 1956 en route for Toronto, and were in time to catch the night train from Grand Central. We had been advised to book a sleeping compartment on that train while we were in London. The cost was little more than for an ordinary seat and was one of the best investments we made. We were all able to sleep fairly comfortably, instead of having to sit

out the twelve-hour journey in the ordinary compartment.

We had made previous arrangements in Toronto to share an apartment with relatives. That precaution was vital to us as a family, because finding such accommodation in Toronto is difficult. That was true of nearly all the larger towns, but the situation becomes slightly easier if one is prepared to live away from the more built-up areas. For an apartment suitable for a family of four, a rent of between \$20 and \$30 a week would be required. It is almost impossible to rent houses.

For a single person or for two friends—and that is the ideal way of travelling—there is no problem. The Y.M.C.A. is a fine place for a temporary stay and it is fairly easy to find single rooms once you have a place to work from.

Finding Employment

The next step—and this is the most important of the whole trip—is to get employment. Money goes quickly when you are spending dollars until you are earning them, and when you see your previous capital diminishing it is easy to get stampeded into doing something you may afterwards regret. Keeping the wolf from the door is particularly important in Canada, where the winters are so cold and where these predatory beasts roam the main street—at least that is what they tell the newly landed.

It is not usually possible to obtain a situation prior to arrival in Canada. It can be done, but by and large the Canadians like to see you on the spot before making any offer. At first it doesn't matter what sort of job you get, but how long the hours are! How tedious the work is! And how odd the jobs you may be required to do—like clearing June bugs off the window. That is one of the experiences that come out of an adventure of this sort. It does nobody any harm.

Just as you would expect to suffer privation and discomfort in crossing the Sahara, so you must expect it if you cross the Atlantic. But you will be rewarded a thousandfold. I repeat, for its importance to the emigrant and traveller, that you must get on a payroll as quickly as possible. You can always have time to sight-see and dilly-dally afterwards.

In fact, so far as a pharmacist is concerned, there is no real difficulty in obtaining employment. Jobs are not advertised in the journals as they are at home. The daily newspapers carry a few under the heading of "clerk," for it must be remembered that an English pharmacist cannot be employed immediately as a druggist. One of the quickest ways to obtain employment is to go along oneself to the personnel manager of a large multiple drug store. The multiples have many stores that employ more than one pharmacist, and they usually jump at the opportunity of employing an English graduate. It would usually be possible to go along and start work immediately. Another source of employment is the office of the Independent Druggist Association, the I.D.A., which is in constant touch with most of the privately owned pharmacies and would know of anyone who had a vacancy. I worked in both the independent and the multiple stores. Work in the independent is easier, and—in pace—comparable to work in a pharmacy at home; that is, reasonable. An average salary is \$75 weekly, and the rate was about the same in both types of store. A qualified druggist would receive between \$100 and \$120, and a general counter assistant (mostly female) about \$30. \$75 weekly is a fairly good salary. But do not fall into the trap, as I did, of dividing it by three, saying that £25 a week as an assistant should be adequate. The amount is really equivalent, because of the cost of food, rent, etc., to £15 at home. A young, single pharmacist would find it easy to manage on that sum and still have opportunity to save. For a married pharmacist the amount would be barely sufficient. That is where the chain stores come into their own: they offer certain incentives such as a commission on sales and more pay for extra duties. The extras enable a salary of about \$85 to be achieved almost at once.

In the chain store the pace of work is incredible. A

continuous stream of notes was always arriving from head office about window dressing and counter displays. Almost every week new ideas, backed by heavy newspaper advertising, broadcasts and television were being thought out, and the store had to be laid out accordingly.

Everybody worked hard all the time. There was no question of dispensing only. Everyone, from the druggist down, had to pay the utmost attention to merchandising. The stores are open every day, on Sundays from 12 to 6, and on every holiday except Christmas day. It is on those days (the Sundays and holidays) that a great trade is done in cigarettes, ice cream and cartons of mineral water, so that there cannot be any complaint about not having variety in one's work! After a time one accepts those things as part of the life of a druggist and pays no attention to them. In spite of the great pressure of work I found working in the chain stores very stimulating and a wonderful experience. It gave me the opportunity of seeing pharmacy geared to a completely different way of life, where selling is the big thing and no holds are barred.

QUESTION: I am a married pharmacist with two children and am thinking of emigrating to Canada, to Vancouver. Have you any idea of what prospects there are of employment there and of finding accommodation?

ANSWER: You must bear in mind, when you are discussing employment in Vancouver, that it would not be possible for you to be on the Register of Druggists until you had been resident there for five years. In the Province of Ontario, which is certainly one of the most progressive states, it is possible for an English pharmacist to be on the Register as a druggist within one year. That would not prevent you from obtaining employment as a representative for a pharmaceutical house, and I am sure that you could get employment as an assistant in a drug store. As for accommodation, for a family that is difficult everywhere. If you have no relations or friends who can put you up temporarily I think you would be well advised to go over yourself, fix accommodation and a job, and then send for your family.

QUESTION: I am a pharmacy student and hope during my summer vacation to visit Canada. Can you suggest any suitable form of employment for me outside working in a retail pharmacy?

ANSWER: I can suggest an interesting form of employment for you. If you are interested in any open-air life there are many summer camps in Canada and the U.S.A. for children from the ages of five to fifteen. The camps are staffed by students under the control of experienced camp assistants. If you wrote to the Director, Canadian Camping Association, Toronto, Ontario, Canada, giving him full details, particularly if you have been in the Scouts or the Forces, and if you would be capable of instructing in any particular subject. I would recommend asking for a post as a Nature Counsellor. He is responsible for giving talks on plant life, and with your background of botany that would be comparatively simple. I spent three months in one of the camps and had a glorious time. I am sure you would, too.

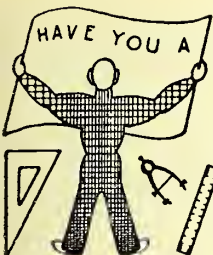
NEW BOOKS

The Compend Addendum, 1956

W. HETHERINGTON, F.P.S. *John Wright & Sons, Ltd.*, Stonebridge Press, Bath Road, Bristol, 4. 7 × 4 in. Pp. 58. 4s.

To the 2,500 or more ethical proprietaries described in the *Compend* published in 1955 the present addendum adds another 225. There is also new information on products mentioned in the original volume. Changes of addresses are also given together with the list of approved names published in September 1956.

SUPPLEMENT TO BRITISH PHARMACEUTICAL CODEX. — The Supplement, 1957, to the British Pharmaceutical Codex, 1954 (see C. & D., May 11, p. 516) is published by the Pharmaceutical Press, 17 Bloomsbury Square, London, W.C.1, price 27s. 6d., packing and postage one shilling extra.



SHOPFITTING PROBLEM?

ANSWERS BY
JAMES GRIMM

I have a shop with a concrete floor covered with linoleum, which is now rather worn in places and chipped at the joints. I have been giving some thought to alternatives but have not found anything to satisfy me in all respects. I have considered asphalt, but the colours available are red, brown or black, none of which I like. Is there any other type of spread floor giving perhaps a green or mottled effect? I like lino for appearance, but the objections seem to be "spreading" (with risk of tripping and tearing), and the fact that, in cold or damp weather, the lino rises at the joints, causing tripping and tearing. The brass plate at the door, which keeps it in place is apt, too, to be caught by customers' clogs at times, since plugging to a concrete floor is not too secure. The concrete floor is smooth but not absolutely level. The shop measures 18 ft. by 14 ft., with a dispensary 6 ft. by 13 ft.

I CANNOT give you the names of local flooring firms, but if you have a classified (trades and professions) telephone directory you will find such details there. If you do not have such a directory you can almost certainly find one at your local library. Should there be no local firms, you can consult the London classified telephone directory (also at your library). Many London firms have working arrangements with provincial firms who act as agents.

My recommendation is to have a Magnesite composition floor laid over the top of the existing concrete. Magnesite is obtainable in brown, red, buff, green, blue and mottle. Its thickness is usually between $\frac{3}{4}$ in. and $1\frac{1}{2}$ in., according to the surface upon which it is laid. When set it gives a hard-wearing surface that takes polish. Your own concrete floor would have to have its surface hacked or roughened to form a "key" for the composition. The best results are obtained by dividing the floor area into squares with inset black or coloured fibre strips. Pleasing effects can be obtained by choosing two colours and having them laid in chequered squares. As a further suggestion you might consider Magnesite composition for the shop floor and red quarried tiles (each approximately 6 in. square) for the dispensary. Those too can be laid on top of your existing concrete floor. They give an exceptionally hard-wearing surface which is easy to clean and which is unaffected by chemicals.

We are shortly taking over the tenancy of another branch shop and I would like advice on the fittings. I enclose a rough plan and seek your opinion on how to fit the shop out?

YOUR shop is none too large for the generous two-room accommodation at the rear. I would recommend you to make the right-hand rear room the dispensary rather than having the dispensary in the shop. Installing the dispensary in the shop would leave you insufficient customer area without providing a large enough dispensary. At the same time you would find the two rear rooms too large as stockrooms. According to my suggestions the shop entrance remains central, both to give a better layout and to ensure maximum fitting and counter runs. The scheme provides for a weighing machine and baby scale table if desired. I understand that the shopfront is being installed by your borough council. If that be correct I would recommend window enclosures having hinged doors glazed with plate glass; plastic veneered window bed in pastel colour; tallrisers 24 to 27 in. high; windows 24 to 30 in. from front to back; and window soffits with "egg-box" louvres behind the transome rail, with fluorescent lights above. The positioning of your shop light switches would be adapted to suit the siting of the fitting, possibly coming to its end. Power points should be brought forward and flush-fixed on the face of the new bases. For heating the shop I think two gas radiators, one on either side of the

entrance door, and backing upon the window enclosures, would be sufficient. In the dispensary there is provided a long bench on the window wall, complete with sink and water heater. You would also need a gas point on that bench. There are also a central bench and dispensing fittings arranged on the walls. A gas radiator could be fixed on the wall adjoining the sink. Fluorescent lighting would probably suit best for both shop and dispensary ceiling. An additional light may be needed above the window dispensary bench. In the choice of shopfitter, my advice is to ask two or more firms for estimates, taking care that the firms chosen are of about the same size and calibre. That should give you a reasonable basis for comparison.

I am hoping shortly to open a new business and should like your views on the layout. What I have in mind is, in the first instance, to fit out the front 14 ft. and later to extend to a depth of 20 ft. I do not much like double doors but the only alternative seems to be to have a door to the side, with one large and one small window and with that it might be possible only to have one line of counters. I am anxious to avoid a storage-type dispensing screen.

MANY layouts could be produced to meet your problem, but your plan seems to have been drawn up after a good deal of thought, and there is not much I can add to improve it. If you do not care for double entrance doors you might consider having a single door with glazed side wings. I do not know the total width of the double doors, but they are probably 5 ft. over all (each door 2 ft. 6 in.). If you were to have a 3-ft. central door, that would leave flanking wings each 12 in. wide. Both door and wings could, if you wish, be of armourplate glass, giving maximum visibility. To save cost, door and wings could be wood-framed. You have left the dispensary screen blank on the shop side, and your notes state that you intend it to be veneered to a height of 4 ft., with framed glazing above. Presumably that is for vision into the shop. May I suggest a counter showcase (size 3 ft. high by 2 ft. back to front) against the lower half of the screen, with two or three lines of plate glass shelves above it to take an open array of goods? Vision would still be adequate through the display, but you would gain valuable display area at a point directly facing the entrance to the shop.

FIFTY YEARS AGO "BENEFITS FORGOT"

From the C. & D., May 18, 1907.

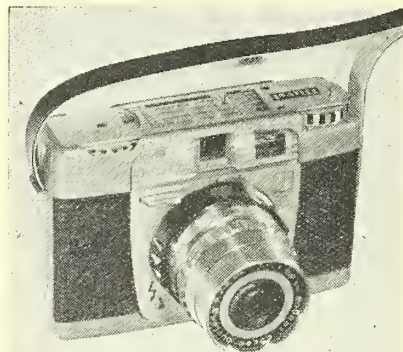
THE first presidential address delivered by Mr. J. Rymer Young to the Pharmaceutical Society was rather a remarkable demonstration of the old-fashioned conservatism in pharmaceutical thought which hangs round Bloomsbury Square. This is disappointing coming from a democratic man like Mr. Young. He excused inactivity in regard to several reforming proposals on the ground that the Council has had a great deal to do. That indicates weakness in the Council. Surely it could rearrange its business and modify the permanent staff so that all the Councillors should have to do would be to settle principles and get paid officers to deal with details. One or two registered pharmacists on the secretarial staff would be of distinct service to the Council. But the besetting sin of the Council is that its work is confined to a select few of the members, and that the experience of the greater number is not utilised, as it might be, by giving them departmental duties to look after. Mr. Glyn-Jones made an attempt to get this done, and partially succeeded, but matters have slipped back to the old routine which burdens the President and keeps certain bits of business in the hands of certain members. As long as this continues the young lions of the Society will have cause to roar. . . . Here Mr. Young entirely overlooks the fact that the examination and registration fees provided by the 1868 Act pay for the administration of the law in all particulars, and there is a great deal over which helps to pay for the privileges strictly reserved to the adherents of the Society. This is a fact which we have repeatedly stated, and no official or other attempt has been made to disprove it. It cannot be disproved. The following are the facts:—

Examination and registration fees received during the years 1869-1906	£253,827
Expenses of conducting examinations	109,323
Surplus	£144,504

PHOTO FAIR 1957

(Continued from THE CHEMIST AND DRUGGIST, May 14, p. 487)

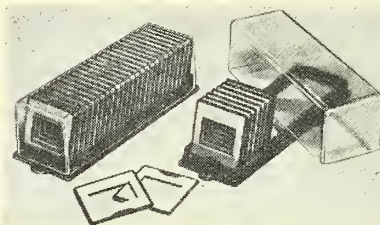
Among other imported cameras and accessories to be seen at the stand were the EDIXA L series, a development of the 35-mm. Edixa cameras. Each has a four-element lens and fully synchronised shutter. The IIL has coupled range-finder; the Edixa IL is without range-finder. The WATA-PRESS flash unit, one of the smallest, measures only $4\frac{1}{4} \times 2 \times 1\frac{3}{8}$ in. when closed for insertion in its neat leather case. It weighs only $2\frac{1}{2}$ oz. without 22½-volt hearing-aid-type battery. Opening of the unit calls merely for a clockwise rotation of the curved, dimpled reflector segments, of which there are nine, the topmost one having a small milled projecting stud which is gripped by finger and thumb. Anti-clockwise rotation closes the reflector so that it occupies the lateral space of one segment; the whole reflector is then depressed and a securing clip slid over it to hold and protect it. The unit accepts only capless bulbs, so no adaptor is needed. There is a spring-loaded ejector lever on top of the silver-grey case. The lower half of the case front lifts off to enable the battery to be placed in position; direction of polarity is clearly indicated to avoid damage to the capacitor. At the base of the unit is a round foot which fits the camera shoe in any direction, and the unit may be secured in place by screwing down a milled circular retaining ring. The underside of the foot has a ¼-Whitworth socket for use with a camera bracket that uses a retaining screw rather than a shoe. The grey flash lead, 12 in. long, terminates in a right-angled coaxial standard 3-mm. plug. The usefulness of the unit is increased by the provision of a neat adjustable flash calculator fitted to the back of the metal casing. Its rotatable scale bearing the figures for apertures and film speeds is set against the bulb to be used, and the aperture is read off against the desired distance. The DURST 6·6 is a sturdy 6 x 6 roll-film



Durst six-six camera with built-in optical exposure meter at stand of North Staffs Photographic Services.

camera taking twelve pictures on a 120 film, with colour-corrected lens and built-in exposure meter.

The German-made BEROFIX interchangeable transparency holders open and snap shut with a spring. Rounded



Berofix transparency holders.

corners and edges ensure smooth sliding in all projectors. The slides are available in six colours.

Two models of the FLEXARET twin-lens 6 x 6-cm. reflex were shown by W. F. DORMER, LTD., Florence Street, London, N.W.4. Model IV is fitted with an 80-mm. f/3·5 4-glass coated anastigmat in an 8-speed shutter, fully interlocked and synchronised. Price: £37 16s. Model IVa is essentially similar but has provision for using both 120 spool and daylight-loading cartridge of 35-mm. film. Price (with accessories for 35-mm. conversion): £48 6s.

Flash Equipment

As was to be expected, a wide selection of flash equipment, both expendable and electronic, professional and amateur, was to be seen. Much of it is too well known to need mention, but a few items with novel features call for comment.

APPARATUS AND INSTRUMENT CO., LTD., Vineyard Path, Mortlake High, Street, London, S.W.14, were showing a remarkably light and compact electronic unit, the AICO-PIC. Fed from a small 4-volt non-spillable accumulator, its total weight is only 3 lb. The head is small—any bulb gun of its size would be considered small—yet it has a declared output of 70 joules, giving flash factors for 33° Scheiner film of 185 for normal and 230 for extended development. Price: £19 18s. 6d. The same company was showing the PHOTAVIT DYNAMO flash-lamp, in which power for firing a bulb is derived from an internal dynamo driven by a flicking of a lever. The energy is stored in a capacitor, which holds its charge for at least thirty minutes. Price: £5 4s. 8d. (soft zip case 18s. 6d.).

Other battery-less guns are handled by BUSH & MEISSNER, LTD., 8 Bryanston Street, London, W.1. A dynamo type, the DYNALUX has a short cylindrical body with radial trigger, one flick of which is enough to charge the capacitor, which holds its charge for a reasonable time. The stem fits into the reflector bowl when not in use. Price: £4 19s. 6d.; zip case, 11s. The Rilac gun was not on show; supplies were awaited. Literature about the gun (shown at Cologne last autumn) was, however, to be had at the stand. The charge is held in a built-in storage unit that may be periodically charged from the mains by a special unit, the service usually being operated by dealers. One charge is stated to be sufficient for 10,000 flashes and the re-charging fee is 2s. 6d. Price: £4 19s. 6d.

Enlargers

GNOME PHOTOGRAPHIC PRODUCTS, LTD., Caerphilly Road, Cardiff, displayed the full range of enlargers for which they have made an enviable name. Several have been improved and restyled: The MASTER II has an enclosed cast bracket for increased stability and a newly designed quick-release lever; ALPHA II has a large restyled lamphouse, and a second focusing handwheel has been fitted; the improvements have been incorporated in RANGEFINDER ALPHA II; COMPANION is now available in two additional models, 714C on a parallelogram mounting which facilitates height adjustment while maintaining the head on a level plane; 714D is similar but has a low voltage high-efficiency lamp fed from a transformer car-type battery; SIXTY-SIX and RANGEFINDER SIXTY-SIX II have larger lamphouses and two focusing wheels; GAMMA II is now available as a Rangefinder model.

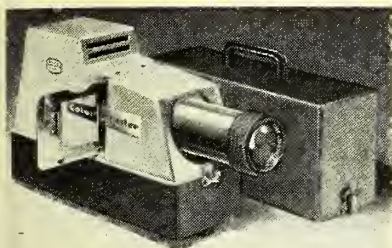
Two new enlargers were seen on the stand of PHOTAX (LONDON), LTD., 1 Charlotte Street, London, W.1, the Wimbourne and the Popular. Both are British made and for 35-mm. film. The WIMBOURNE has a negative carrier which when drawn forward presents a focusing negative in the gate. The POPULAR is generally similar but simpler and without the focusing negative. Prices will be in the region of £18 18s. and £13 13s., respectively.

J. R. DISTRIBUTING CO., 55 Tower Bridge Road, London, S.E.1, showed an inexpensive, sturdily built enlarger. It has a double-walled spun lamphouse, die-cast bracket and smooth helical focusing. It represents good value at £9 9s. (without lens).

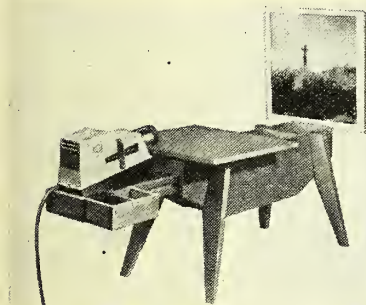
The new Ross-Ensign enlarger (ROSS-ENSIGN, LTD., 3 Clapham Common North Side, London, S.W.4), is a universal instrument suitable for negatives from 35 mm. up to $2\frac{1}{4} \times 3\frac{1}{4}$ in. by interchange of condenser systems. A new quick-release height adjustment device is fitted and the Defino focusing aid is incorporated.

Still Projectors and Sundries

On every hand there was evidence of the ever-increasing popularity of the colour transparency. Space decrees that of the bewildering selection of projectors displayed, only the new ones can receive attention here. Looking very smart with their smooth lines and two-tone enamel finish were the Ross-Ensign COLORMASTERS. The standard model takes lamps up to 300 watts, a higher power version with a blower taking lamps up to 750 watts. Both models project either $2\frac{1}{4}$ - or 2-in. slides by merely changing the carrier. They have triple condensers, heat filter and 5-in. f/2·8 Ross objectives and are supplied with dust cover/carrying cases. Prices are £26 17s. 6d. and £32 17s. 6d. respectively, with 2½-in. carrier. A 35-mm. carrier costs a further £1 7s. 6d. Messrs. Ross were showing an attractive and ingenious chair-side projector table



Ross Colormaster projector, 300 watt, for colour transparencies $2\frac{1}{2} \times 2\frac{1}{2}$ in. and 35 mm. fitted with Ross projection lens f/2.8 and triple condenser system.



Ross chairside projection table. The self-contained projection unit folds down to provide modern coffee table.

which when not in use serves as a coffee table and contains the projector and slide boxes. One half of the hinged top is raised to provide (on its under side) a screen, while a sliding member at the other end supports the projector at a suitable distance from the screen. Price: £12 13s.

HAYNOR, LTD., 159 Greyhound Road, London, W.6, showed an advance model of a remote control version of the successful KINDERMANN 300 ULTRA-MATIC. Generally similar to the current model, it has a control panel with push buttons to effect the changing of slides either from the machine position, or, by means of a length of flex and a pear switch, from any suitable position. Also on the Haynor stand was a very compact table viewer contained in a case measuring only $10\frac{1}{2} \times 6 \times 3$ in. The lid embodies the $5\frac{1}{4}$ -in. square screen and is raised on hinges to receive the image back-projected through a mirror in the back. The projector has magazine feed. Price: £19 10s.; carrying case, £3 15s.

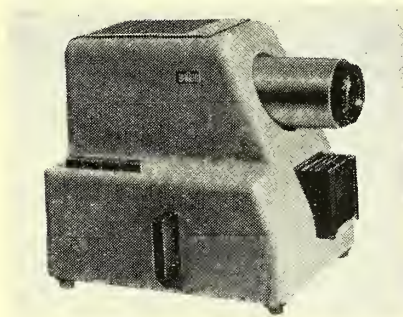
Early Production Model

On the stand of PHOTAX (LONDON), LTD., 1 Charlotte Street, London, W.1, was an early production model of the BLACK PRINCE projection viewer. Built into a carrying case, it has an 8 $\frac{1}{2}$ -in. screen, allowing a magnification of x7. A really brilliant picture is assured by the 300-watt blower-cooled lamp, aspheric condenser system and f/2.8 objective. Slides are fed into the machine in magazines of thirty and there is storage space in the case for four of those magazines. Change of slides is automatic—by remote control if required. The price will be in the region of £33 when supplies become available in about July.

ELITE OPTICS, 31 Frogmoor, High Wycombe, Bucks, showed among their extensive range of quality projection

equipment a powerful magazine-fed projector, the ELITE 500 magazine projector, blower cooled, with 90 mm. f/2.2 coated objective. It has the particular advantage of accepting the several specialised Elite accessories such as micro attachments, film strip carriers, etc., thus vastly extending its scope.

JOHNSONS OF HENDON, LTD., Hendon, London, N.W.4, were showing the

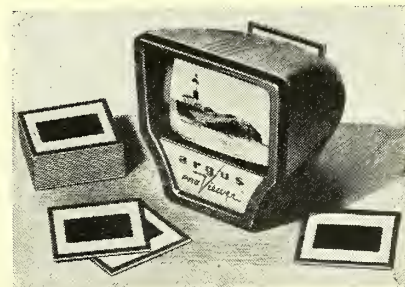


Braun PA1 automatic projector.

BRAUN PA 1 automatic 2 x 2 slide projector which has a 150-watt lamp and a triple-duct cooling system. The optical system includes an aspheric condenser, heat filter, mirror reflector and f/2.8 lens. The body is die-cast and the slides are contained in magazines of thirty-six which can be advanced by push-button or remote control by a 16-ft. flex. The beam is interrupted during the change of slides. It will not

be available until towards the end of the year.

HANIMEX (U.K.), LTD., 407 Hornsey Road, London, N.19, is a new company marketing the range of Hanimex, Fotex and Argus products produced in Australia. At the Fair they were showing the ARGUS 300 35-mm. slide projector produced in Australia under licence from the American parent company. It is fitted with a 4-in. wide-angle lens, efficient optical system, and is



Argus previewer.

blower-cooled. The ARGUS previewer (distributed by PULLIN OPTICAL CO., LTD., 93 New Cavendish Street, London, W.1), is a battery-operated viewer for the hand or table. It has a large magnifier and is switched on when a slide is inserted. Price: £3 15s. The SLIDELIGHT pocket viewer is another Hanimex product being distributed by Messrs. Pullin.

(To be concluded)

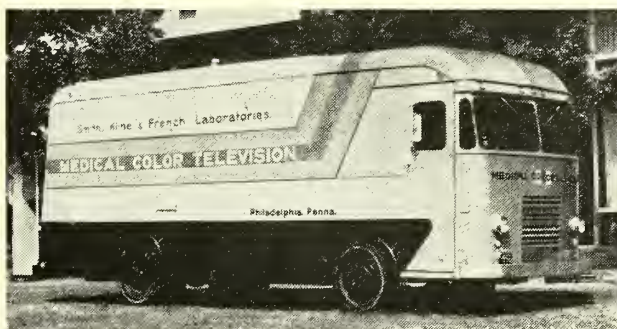
OPERATIONS TELEVISED IN COLOUR

Demonstrations of a new teaching aid

AT a joint meeting of the Royal College of Surgeons and French Academy of Surgeons in London on May 30, 31 and June 1 there is being given a demonstration, on a closed circuit, of colour television as an aid in medical teaching.

attached to his mask is a microphone.

The company first sponsored demonstrations of colour television methods of teaching at the annual meeting of the American Medical Association, and have since carried their team and equipment



Van carrying equipment for the demonstration on a closed circuit of colour television of surgical techniques and medical procedures as an aid in medical teaching. Programmes to be televised in the United Kingdom are being transmitted "live" from various hospitals situated conveniently to the meeting places.

A second demonstration is being given during each day of the Harvey Tercentenary Congress, London, June 4-7. The demonstrations are being sponsored by Smith, Kline & French Laboratories, Ltd., London, who have organised the development and manufacture of colour television equipment for the purpose. The company introduced colour medical television in the United States, where it has been shown that the method enables larger audiences to witness surgical techniques and medical procedures. The audiences, moreover, can hear the operating surgeon's instructions and comments, for

all over the United States and Europe. Since the first demonstration was given 372,000 doctors and students are estimated to have seen the proceedings. The programmes to be televised in the United Kingdom will be transmitted "live" from various hospitals situated conveniently to the meeting places and on a screen measuring 8 ft. by 6 ft. It is expected that several thousand members of the medical profession will see the operations. Further demonstrations are being given in Edinburgh, July 8 and 9, and at the annual meetings of the British Medical Association in Newcastle-on-Tyne, July 15-19.

FACTORY EQUIPMENT EXHIBITION

"Important contribution to improved working conditions"

THE fifth Factory Equipment Exhibition, which was held at Earls Court, London, from April 29 to May 4, was described as "an important contribution to the raising of the general standard of working conditions in British factories," by MR. IAIN MACLEOD (Minister of Labour and National Service) when he performed the opening ceremony on April 29. With over 300 stands the exhibits included storage and slotted-angle equipment, instruments for automatic control, and for tablet counting, vacuum filters, sieves, protective clothing and cloakroom equipment.

From the purely pharmaceutical point of view perhaps the most intriguing exhibit was that of the 30-gall. Resilon vacuum filter for chemical batch processing. For a considerable time now there has been a demand for a large capacity filter constructed of a corrosive

resistant material. Resilon material, bound up in synthetic resin-bonded reinforced plastics is claimed to have the necessary corrosive resistant properties associated with such advantages as wide chemical duty between pH2 and pH12, and an operating range of up to 200° C.

Obtainable from RUSSELL CONSTRUCTIONS, LTD., Adam Street, London, W.C.2, the prototype filter is at present in use at the factory of a leading pharmaceutical firm. Also on show were the Russell range

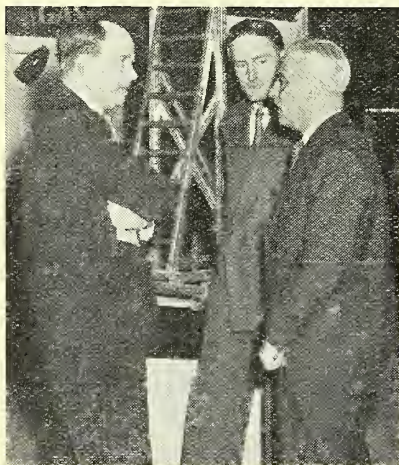


Nylon protective clothing as worn by a chemical industry worker. (British Nylon Spinners, Ltd.)

of sieving and straining machines, which operate on the principle of gyratory turbulence, the Russell Cascade sieve for the clean separation of powders, and the Russell tablet-counting machine.

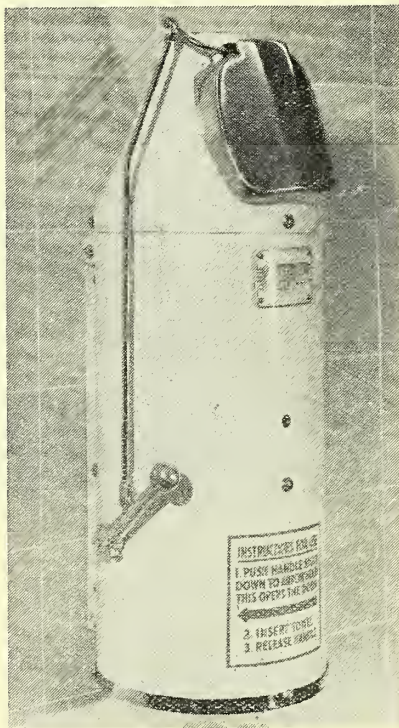
In the wide field of storage, slotted angle and tubular equipment for shelving and construction work, were featured, among others, by CHEVRON STRUCTURAL UNITS, LTD., 7 Victoria Street, London, S.W.1; DEXION, LTD., Maygrove Road, London, N.W.6, and G. H. GASCOIGNE CO., LTD., Berkeley Avenue, Reading, Berks.

Emphasising the tremendous improvements in the quality and styling of overalls were the stands of the protective clothing manufacturers. Mannequins were even engaged for a series



Mr. Iain Macleod (Minister of Labour) who opened the exhibition, at the stand of Dexion, Ltd., Maygrove Road, London, N.W.6, chats with Mr. D. Comino (managing director) (right) and Mr. George Thompson (the company's production manager) (centre).

of protective clothing parades which might well have been designed to make factories fashion conscious. Typically simple, elegant and yet practical and long-lasting was the "splash cheater" manufactured by the R. F. D. Co., LTD., Godalming, Surrey, to the design of a leading London couturier. Equally serviceable and economic were the



The incinerator by Southalls (Birmingham), Ltd., permits the immediate disposal of sanitary towels, dressings, bandages by complete incineration. Opening and closing the door sets the incinerator working.

nylon range of clothing and overalls featured by the BRITISH NYLON SPINNERS, LTD., Pontypool, Mon.

Equipment for the industrial cloakroom was featured by KIMBERLY-CLARK, LTD., 11 Grosvenor Gardens, London, S.W.1, who demonstrated the qualities of the Hi-Dri paper towels, and SOUTHALLS (BIRMINGHAM), LTD., Saltley, Birmingham, 8, who provided automatic vending machines for sanitary towels, gas and electric incinerators, cellulose tissue hand towels, disposable bags, sanitary bins and dressings.

A complete range of barrier creams were shown by ROZALEX, LTD., 10 Norfolk Street, Manchester, 2, and W. & F. WALKER, LTD., Kirkby, Liverpool.

Cleansing and disinfectant products were featured by KENCLEAN PRODUCTS, 64A Kensington Church Street, London, W.8; LONDON SOAP & CHEMICAL CO., LTD., Richardson Street, London, S.E.1; and W. & F. WALKER, LTD.

In factory office equipment new developments by FONADEK (BRANSON), LTD., Vivian Road, Birmingham, 17, included the "private-ear," an attachment consisting mainly of a miniature earpiece which eliminates the loud-speaker from the Fonadek telephone amplifier while maintaining freedom of both hands; a transistor-operated Kedafon two-way intercom and a smaller version of the Permapad notebook suitable for a foreman's pocket.

NEW LUBRICANTS

THE possession of heat-resisting, water-repellent and non-melting qualities is claimed for the Molytone family of greases produced by Rocol, Ltd., Swillington, nr. Leeds. Messrs. Rocol have pioneered in the research, development and manufacture of molybdenum disulphide lubricants and molybdenised greases. Normally, greases consist of mineral oils thickened with various metallic soaps. Bentone greases, however, introduce a new principle. Instead of a metallic soap, a modified bentonite clay is used as the thickening agent. These greases are more heat stable, resistant to working, have better adhesion to metals, have better water repellence and less oil separation than other greases. They have, literally, no melting point and can thus be used in conditions up to the point of inflammability of the basic oil. The combination of molybdenum disulphide with those improved greases, gives products which have the lubricating and pressure resisting qualities of molybdenum disulphide, together with the special qualities of the Bentones. The Molytone family consists of a number of greases formulated to deal with such varied work as the lubrication of valves, rubber bearings, and metal joints.

INFORMATION WANTED

The Editor would appreciate information about suppliers of the following:

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Probaby

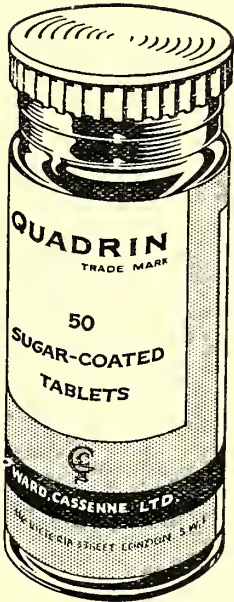
**WARD, CASSENNE
LIMITED**

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profession :—

QUADRIN

TRADE MARK

NON-HORMONAL TREATMENT FOR THE
PREMENSTRUAL SYNDROME.



FORMULA:

Ammonium chloride
0.3 g.

Reserpine
0.2 mg.

Homatropine methylbromide
0.5 mg.

Caffeine
0.03 g.

In bottles of 50
sugar-coated tablets at 13/6,
trade price 7/6 per bottle,
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WARD, CASSENNE will be telling the medical
profession of this fine new ethical by frequent
mailings of brochures and extensive announcements,
many in colour, in the most important medical journals.

*Orders may be placed with the Sole Distributors :—
Messrs. Fassett & Johnson Ltd., 86 Clerkenwell Road,
London, E.C.1. and at 139 Bath Street, Glasgow, C.2.
or with your Wholesaler.*

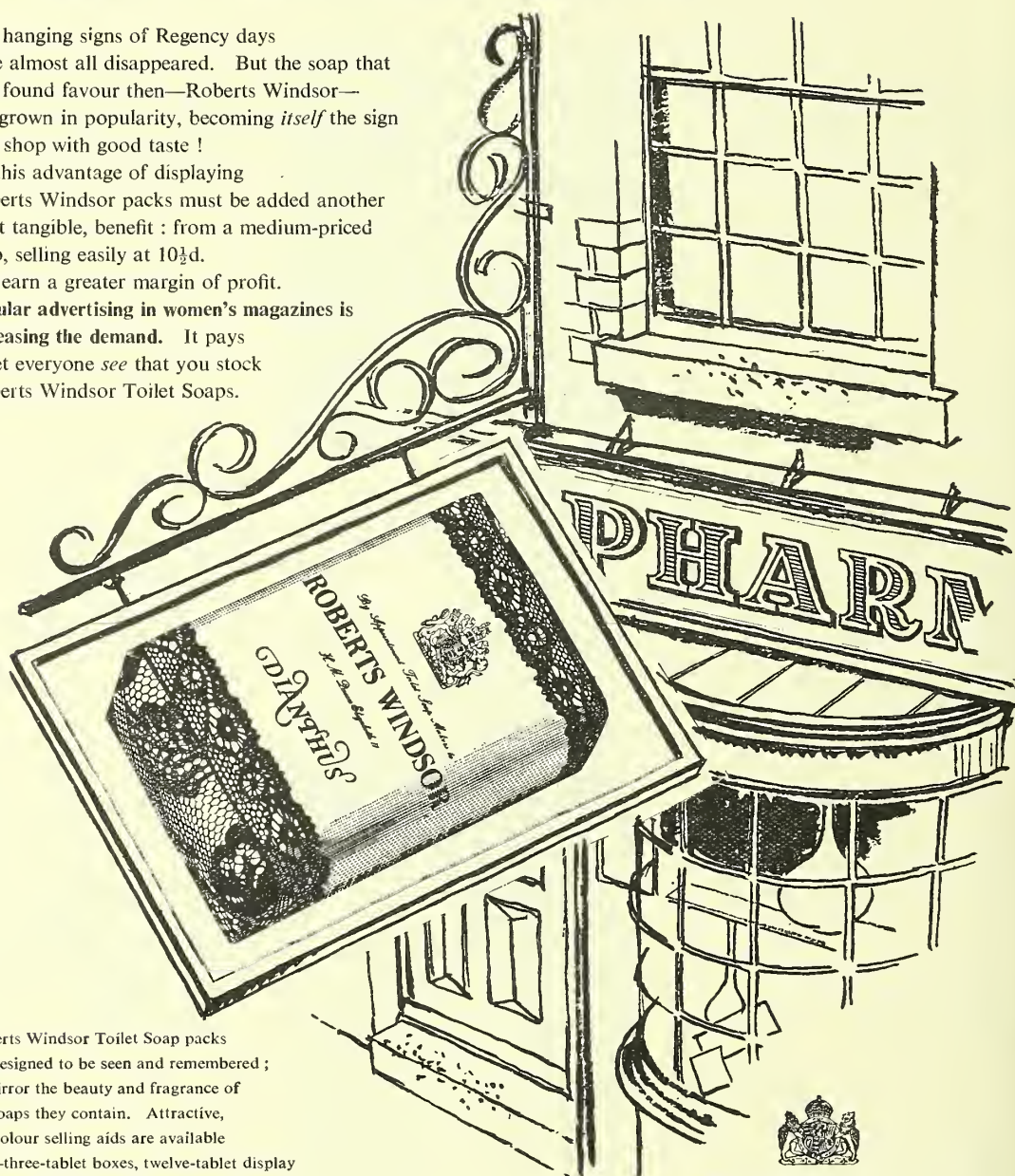
A Sign of Discrimination

The hanging signs of Regency days have almost all disappeared. But the soap that first found favour then—Roberts Windsor—has grown in popularity, becoming *itself* the sign of a shop with good taste!

To this advantage of displaying Roberts Windsor packs must be added another most tangible benefit: from a medium-priced soap, selling easily at 10½d.

you earn a greater margin of profit.

Regular advertising in women's magazines is increasing the demand. It pays to let everyone *see* that you stock Roberts Windsor Toilet Soaps.



Roberts Windsor Toilet Soap packs are designed to be seen and remembered; to mirror the beauty and fragrance of the soaps they contain. Attractive, full-colour selling aids are available too—three-tablet boxes, twelve-tablet display boxes, and Floral Basket dispensers.



By appointment to H.M. the Queen Mother,
Toilet Soap Makers,
Roberts Windsor Soap Co. Ltd.



ROBERTS WINDSOR

loveliest of toilet soaps

ROBERTS WINDSOR SOAP CO. LTD., THE ACRE, WINDSOR
and Victoria Soap Works, Colwick, Nottingham

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, MAY 15: The week's trading provided few new features in any of the markets. The scarcity of many CRUDE DRUGS continues and becomes more apparent as buyers resume their inquiries.

Quite substantial business is believed to have been done in CASCARA SAGRADA and indications are that when the new peel becomes available for shipment the prices ruling then may be around the rate ruling now for the 1956 peel. The uncertainty of the position has been heightened this year by the fact that a bill is before the Oregon Senate which, if passed, will severely curtail the activities of both collectors and the local traders. Aimed at reducing the destruction of cascara trees the bill proposes that collectors must have written permission from tree owners before they cut the bark and only trees over a certain size may be cut. Traders for their part will have to purchase a licence and keep extensive records of their purchases and sales. Altogether it is thought that if the Bill becomes law both collectors and traders will not be inclined to carry out their present functions unless suitably rewarded financially. Dealers are therefore inclined to "soft pedal" business on a forward basis. Bark is also collected in the State of Washington and shipped through Seattle where no such legislation is proposed. However any change in the position in Oregon would undoubtedly affect all prices. Fewer offers of BUCHU for shipment were made and the spot value was about fourpence per lb. higher. MERCURY was £2 per flask dealer on the spot. In BALSAMS new-crop CANADA is still not offered while PERU is scarce and prices firm. IPECACUANHA was not available for shipment but quotations for Prime Cape ALOES were about 2s. per cwt. under the previous week's level. Little change took place among SPICES and Jamaican GINGER appeared to stand still. Among AROMATIC SEEDS there was a little more inquiry for CORIANDER but no actual business was reported. CUMIN was dearer on the spot because of higher prices from origin.

The receding value of zinc during the past fortnight was accountable for a £6 per-ton reduction in the schedule for B.P. OXIDE. The schedule for BARIUM SULPHATE was also revised with 250-kilo lots at 3s. 3½d. per kilo.

A second large-scale carbonylation plant for the production of BUTANOLS is now in production in co. Durham which, it is claimed, should increase production seven-fold.

Among ESSENTIAL OILS lower per lb. were Chinese star ANISE by three-halfpence and CASSIA by threepence. LEMON also continued to ease.

Spanish trade authorities have announced new minimum export prices for the following essential oils (prices in U.S. dollars per kilo, f.o.b. Spanish port): Rosemary, 1.17; bitter fennel, 1.90; eucalyptus, 0.88; eucalyptol, 2.05; salvia, 1.76; rue, 2.05; pennyroyal, 2.64; hyme, 2.93.

Pharmaceutical Chemicals

ASPIRIN. — Prices are as follows:— 5-cwt. lots, 4s. 7d. per lb.; 1-cwt., 4s. 9d. BARIUM SULPHATE. — 250-kilo lots of B.P. (x-ray) are now 3s. 3½d. per kilo. BROMIDES.—Prices per lb. are now as follows:—

	1-cwt.	5-cwt.
POTASSIUM	s. d.	s. d.
SODIUM	2 9	2 8
AMMONIUM	2 9	2 8
	3 0½	2 11

The above prices are for crystals (powder is 1½d. per lb. more), packages free, carriage paid terms.

CITRATES. — Rates (per lb.) for 1-cwt. and 5-cwt. lots are as follows:—

	1-cwt.	5-cwt.
SODIUM*	s. d.	s. d.
POTASSIUM*	4 1½	3 1½
IRON AND AMMONIUM†	3 9½	3 8½
	3 2½	4 0½

*Powder is 2d. per lb. more.
†Scales are 9d. per lb. more.

CITRIC ACID.—Quotations (per cwt.) for domestic material are 215s. for 1-4-cwt. lots and 210s. for 5-cwt. lots.

DIPHENAN.—Prices range from 55s. 3d. (56-lb.) to 63s. (1-lb.) per lb.

EPHEDRINE.—In 100-oz. lots ALKALOID is nominally 7s. per oz.; SULPHATE, 4s. 3d. and HYDROCHLORIDE, 3s. 10½d. per oz.

ETHER.—Prices (per lb.) in winchesters are as follows:—TECHNICAL, B.S.S., and SOLVENT, 5-cwt., 2s. 5d.; 10-cwt., 2s. 4d. ANAESTHETIC, B.P., 5-cwt., 3s. 10d.; 10-cwt. 3s. 9d. In drums prices are 4d. per lb. less than above.

FORMALDEHYDE. — B.P. solution in 1-4 drum lots is £39 15s. per ton; 5 drum lots are £38 15s. per ton, all including free drums.

GALLIC ACID.—B.P.C. is 8s. 7d. per lb. for 1-cwt. lots.

HEXAMINE.—B.P. is 1s. 11½d. per lb. for 1-ton lots, delivered in 1-cwt. kegs (1s. 11d. in paper bags). Technical is threepence per lb. under those rates.

HYDRAZINE HYDRATE. — Price per ton is £153 for the 10 per cent. (w/v) solution and £33 for the 2½ per cent.

HYDROCYANIC ACID. — Dilute B.P.C. is from 1s. 5d. to 2s. per lb., as to quantity; Scheeles is from 1s. 9d. to 2s. 4d.

HYPOPHOSPHITES.—Prices per lb. are as follows:—

	7 lb.	28 lb.	1 cwt.
	s. d.	s. d.	s. d.
CALCIUM	6 4	5 11	5 6
IRON	13 3	12 9	12 3
MAGNESIUM	10 4	9 11	9 6
MANGANESE	13 6	13 0	12 6
POTASSIUM	8 7	8 2	7 9
SODIUM	7 1	6 8	6 3

ICHTHAMMOL. — B.P. is from 2s. to 2s. 6d. per lb. in 1-cwt. lots as to origin and container.

IRON SALTS. — GLUCONATE, B.P.C., is 6s. 6d. per lb. in 1-cwt lots; SULPHATE, B.P. crystals are 9d. per lb. in 28-lb. lots; 1-cwt. is 55s. per cwt. and 5-cwt., 50s. per cwt. Granulated and pea crystals are 2s. 6d. per cwt. more; SULPHATE, EXSICCATED is 1s. 5d. per lb. for 28-lb., 1-cwt. 118s.; 5-cwt., 113s. per cwt., 1-cwt. fibre kegs free, other packages extra. PHOSPHATE, SACCHARATED, B.P.C., 28-lb. lots

are 3s. 7d. per lb. OXIDE, RED PRECIPITATED, B.P.C. 1949, 1-cwt., 2s. 1d. per lb.; CARBONATE, SACCHARATED, B.P.C. 1949, 28-lb., 3s. 1d.; 1-cwt., 2s. 10d. AMMONIUM SULPHATE, 1-cwt., 1s. 7d. per lb.; QUININE CITRATE, 2s. 1d. per oz. in 100-oz. tin.

MAGNESIUM PEROXIDE.—Price (per lb.) for 1-cwt. lots of B.P.C. (15 per cent.) is 3s. 11d.

METHUIN.—B.P. is about 120s. per lb.

METHYL SALICYLATE. — Five-ton lots are 3s. per lb.; 1-ton, 3s. 0½d.; 10-cwt., 3s. 1d.; 5-cwt., 3s. 2d.; 1-cwt., 3s. 3d.

SANTONIN. — 25-kilo lots are 540s. per kilo.

SODIUM ACETATE.—B.P.C. in 28-lb. lots is 2s. 4d. per lb.; 1-cwt. 2s. 1d., and 5-cwt., 1s. 11d.

SODIUM PERCARBONATE. — Prices (per cwt.) about 166s. 9d. (bags, 7s. 6d. lower) for minimum 12½ per cent. available oxygen.

SODIUM PHOSPHATE. — B.P. powder is 125s. per cwt.

SODIUM SALICYLATE.—Rates are now:— 1-ton lots in bulk, 3s. 7d. per lb.; 5-cwt., 3s. 8d.; 1-cwt., 3s. 10d.

TANNIC ACID. — The B.P. levis, ex ether is quoted at 7s. per lb. for 5-cwt. lots and 7s. 3d. per lb. for 1-cwt. The B.P. powder is 6s. 9d. per lb. in 1-cwt. lots.

ZINC OXIDE. — Lower, Rates for B.P. quality are now: 2-ton lots, £121 per ton; 1-ton, £122; 5-cwt., £124; and under 5-cwt., £131.

Alcohol

BRITISH SPIRIT per proof gall.:—

Ethyl Alcohol: (95 per cent. Gay Lussac, 66 o.p.); where the number of proof gall. taken over any one year ended March 31 is 300,000 or over the price is 4s. 6½d.; 200,000 and less than 300,000, 4s. 6½d.; 100,000 and less than 200,000, 4s. 7½d.; 50,000 and less than 100,000, 4s. 7½d.; 10,000 and less than 50,000, 4s. 8½d.; 2,500 and less than 10,000, 4s. 8½d. Prices are exclusive of duty and are for tank wagon lots. In 40-gall. drums there is a surcharge of 1d. per proof gall.

The following grades are subject to a premium on the above prices as follows:—

Absolute Alcohol, 99.5 per cent., 74.5 o.p., 3d. more per proof gall., the special high strength (99.9 per cent., 75.2 o.p.), 5d. more; Doubly-Rectified Alcohol (S.V.R.), 95.8 per cent., 68 o.p. is 3d. more and P.I. Rectified Alcohol, 96.1 per cent., 68.5 o.p., 8d. more, R. R. Absolute Alcohol (re-rectified, 99.7 per cent., 75 o.p.), 15s. 8d. per bulk gall. net.

Crude Drugs

ACONITE. — Spot supplies of Spanish napellus are 3s. 3d. per lb., duty paid.

AGAR.—Kobé is 12s. 6d. per lb., duty paid, May shipment, 11s., c.i.f.

ALOES. — Cape prime for shipment is 318s. per cwt., c.i.f.; and spot, 340s. Curaçao for May shipment is from 390s. to 400s., c.i.f.

ANISEED (STAR). — Chinese is 160s. per cwt. on the spot.

ANTIMONY.—English 99.6 per cent. is £222 10s.; 99 per cent., £210 per ton.

BALSAMS.—Quotations (per lb.) are:— CANADA: Spot value 30s. COPAIBA, Para is from 7s. 9d. to 11s., duty paid, PERU, 10s., duty paid. TOLU (genuine as imported), 27s. 6d.; B.P., 17s. 6d., spot.

BELLADONNA.—Herb is 2s. 6d. per lb.

on the spot. ROOT, 1s. 10d. spot; shipment, 1s. 3d., c.i.f.

BENZONIN.—Sumatra block on the spot is from £25 to £30 per cwt. No. 1 for shipment is £23 5s., c.i.f. Almonds, 15s. per lb., c.i.f.

BUCHU. — New-crop on the spot is 7s. 3d. per lb.; shipment at 6s. 4½d., c.i.f., nominal.

CAMPHOR. — B.P. POWDER is from 5s. 6d. per lb., duty paid. TABLETS, ¼-oz. are 5s. 9d., c.i.f. and 6s. in bond.

CAPSCUMS. — East African are from 120s. to 210s. per cwt. on the spot, as to quality.

CARDAMOMS. — Aleppy greens on the spot are 15s. per lb. and shipment, 13s. 9d., c.i.f. No. 1 seed, 21s. per lb.

CASCARA SAGRADA. — American 1955 peel is 345s. per cwt., duty paid, 1956 processed peel for prompt shipment, 295s., c.i.f. New-crop, July-August, 260s., c.i.f., quoted.

CASSIA BARK. — Whole on the spot is now quoted at 115s. per cwt., in bond, and broken, 105s. in bond. For shipment broken No. 1 is 97s. 6d., c.i.f., and whole, nominal for June-July.

CINNAMON.—Ceylon for shipment (c.i.f.) per lb., OOOO, 8s. 6d.; OOO, 8s. 3½d.; OO, 8s. 2d.; seconds, 6s. 4½d.; featherings, 2s. 8d.; quillings, 4s. 5d.; chips, 1s. 1d.

COCILLANA.—Bark is 1s. 11d. per lb. on the spot.

ERGO. — Portuguese is 6s. per lb., c.i.f., for prompt shipment and 7s. 3d., spot. American, 7s. 3d., c.i.f. Bulgarian, 9s. 6d.; Hungarian defatted, 13s. 6d., spot.

GENTIAN. — Spot: French nominally 185s. per cwt.; Spanish, 165s.; Jugo-Slavian, 155s. to 165s. as to seller.

GINGER. — African on the spot is 190s. per cwt. and May-June shipment, 180s., c.i.f. (sellers). Jamaican No. 3 on the spot is offered at 620s. and May-June shipment at 585s., c.i.f. Cochín, 132s. 6d., c.i.f. and 140s. spot.

GUM ACACIA. — Kordofan cleaned sorts are 152s. 6d. per cwt. on the spot; afloat, 137s., c.i.f.

IPECACUANHA. — Short. No firm offers from origin. Matto Grosso spot, 48s. per lb. nominal. Panamanian, 52s. 6d., spot.

JALAP ROOT. — Mexican is from 5s. 6d. to 6s. 6d. per lb. on the spot, according to test.

KARAYA.—No. 1 gum on the spot is now quoted at 260s. per cwt. and No. 2 at 215s.

KOLA NUTS. — Jamaican are offered at about 8½d. per lb., spot, and 6½d., c.i.f. African, 5½d.

LANOLIN. — ANHYDROUS, B.P., is from 175s. to 190s. per cwt. and HYDROUS, B.P., 150s. to 170s.

LIQUORICE. — Natural root: Anatolian is 45s. per cwt., Russian, 50s. spot and 47s., c.i.f. Block juice: Anatolian, 200s. per cwt.; Chinese and British, 195s. on the spot. Italian stick from 310s. to 476s. per cwt. Spray-dried extract, 2s. 9d. per lb.

LOBELIA HERB. — Spot offers are from 5s. 9d. to 6s. 6d. per lb.

MACE. — Whole on the spot is from 24s. to 24s. 6d. per lb.

MENTHOL.—Chinese, Spot is 50s. per lb., duty paid; July-August shipment, from 47s. 6d. to 48s., c.i.f., as to position. Brazilian, spot, 42s., duty paid; shipment, 39s., c.i.f. Formosan, 42s. 6d., c.i.f.

MERCURY. — Dearer. Price per flask (76-lb.) is £88 on the spot.

NUTMEGS. — West Indian 80's not quoted; sound unassorted, 14s. 3d. per lb.; wormy and broken, 9s. 6d.

ORANGE PEEL. — West Indian bitter quarters are 11d. to 1s. per lb.; Spanish 1s. to 1s. 3d.; thin-cut Tripoli, 2s. 3d.

PAPAIN.—Scarce. East African grade 2 is 28s. per lb., spot; No. 1 nominally 32s. 6d. per lb.

PEPPER.—White Sarawak is 2s. 2½d. per lb. on the spot, with prompt shipment at 2s. 2d., c.i.f. Black Sarawak is offering on the spot at 1s. 7½d. per lb., shipment, 1s. 6½d., c.i.f. Black Malabar, 205s. per cwt. on the spot; prompt shipment 202s. 6d.

PEPPERMINT LEAVES. — Dutch for shipment are offered from 2s. 6d. to 3s. per lb., c.i.f.

PIMENTO. — Spot is 590s. per cwt. with forward at 540s., f.o.b.

PODOPHYLLUM. — *Emodi* is 165s. per cwt., c.i.f. *Peltatum*, 4s. per lb. spot. and 430s. per cwt., c.i.f., for shipment.

QUASSIA.—Chips are 42s. 6d. per cwt. on the spot, and 32s. 6d., c.i.f.

QUILLAIA.—Spot offers of bark at 220s. per cwt. with shipment at 175s., c.i.f.

RHUBARB.—Quotations for Chinese are from 6s. 6d. to 9s. 3d. per lb., as to quality.

SAFFRON.—Mancha Selecta is 280s. per lb., on the spot.

SARSAPARILLA.—Jamaican native red on the spot is 2s. 9½d. per lb., and for shipment, 2s. 8d., c.i.f.

SASSAFRAS.—Selected bark is 5s. per lb.

SEEDS. — (Per cwt.). ANISE.—Cyprian, 175s.; Bulgarian, 160s., duty paid, CARAWAY. — Dutch in poor demand at 115s., duty paid. CELERY. — Indian, 180s. CORIANDER. — Spot, Moroccan, 90s.; Rumanian, 70s.; Bulgarian or Polish, 65s., all duty paid. CUMIN.—Dearer, Spot, Cyprian, 160s.; Iranian, 145s., duty paid. Shipment, Cyprian, 160s., c.i.f. Moroccan new-crop for July-August quoted at 180s., c.i.f. DILL. — Indian, 60s., spot. FENNEL. — Indian firm at 120s., spot. FENUGREEK. — Indian, 67s. 6d.; Moroccan, 67s., duty paid spot. MUSTARD. — English 60s. to 75s. according to quality.

SENEGA.—Spot is 18s. 6d. per lb. with shippers asking 18s., c.i.f.

SENNA. — *Timnevelly* LEAVES are short on the spot. A few prime No. 1 are available at 1s. 5d. per lb., market otherwise bare; PODS, f.a.q., 10d.; hand-picked, 1s. 3d. to 2s. *Alexandrian* pods available from 1s. 6d. to 3s. 6d. per lb., with hand-picked at from 4s. 6d. to 5s. 6d.

SHELLAC. — F.O.T.N., 235s. per cwt.; F.O. No. 1, 255s.; fine orange, 280s. to 340s.

SLIPPERY ELM.—Grinding quality bark is 2s. 6d. per lb.

SQUILL.—White is offered on the spot at 57s. to 62s. 6d.

STRAMONIUM.—Indian LEAVES are 70s. per cwt., and European 80s. on the spot.

STROPHANTHUS.—*Kombé* on the spot is 6s. 6d. per lb. for the 100 per cent.; *Gratus* is 11s. 3d., in bond.

STYRAX. — Scarce on the spot. Price nominally 8s. 9d. per lb. No shipment offers.

TONQUIN BEANS. — Para on the spot are cleared.

TRAGACANTH.—No. 1 ribbon is £175 to £180 per cwt., No. 2, £150.

TURMERIC.—Madras finger on the spot is 72s. 6d. per cwt. with new-crop, May shipment at 57s. 6d., c.i.f.

VALERIAN ROOT. — Dutch for prompt shipment is 182s. per cwt., c.i.f., and Belgian, 190s., c.i.f. Indian on the spot is 135s. per cwt.

VANILLIN. — Rates (per lb.) are:—5-cwt. lots, 27s. 3d.; 1-cwt., 27s. 6d.; 56-lb., 27s. 9d.; smaller quantities, 28s.

WAXES. — (Per cwt.). BEES'.—Dar-es-Salaam, spot, 600s., shipment, 560s., c.i.f.; Sudanese, 550s., in bond and 505s., c.i.f. Abyssinian, spot, 580s., duty paid; April-May, 520s., c.i.f. CANDELILLA.—

Spot is 520s. CARNAUBA.—Fatty grey, spot, 555s. per cwt.; for shipment, 547s. 6d., c.i.f. Prime yellow, spot, 1,150s.; shipment, 1,080s., c.i.f.

WITCH HAZEL LEAVES. — Spot supplies are 2s. 3d. per lb.; prompt shipment 2s. 1d., c.i.f.

Essential and Expressed Oils

AMBER.—Rectified on the spot quoted at from 1s. 6d. per lb.

ANISE. — Chinese, 12s. 4½d. per lb., spot; shipment, 12s. 4½d., c.i.f.

BAY. — West Indian is 12s. 6d. per lb. on the spot.

CADE. — Spanish is 3s. 6d. per lb. for drum lots.

CALAMUS.—Spot quotations are 62s. 6d. per lb.

CAMPHOR, WHITE. — Chinese is 2s. 4½d. per lb., duty paid.

CASSIA.—Spot is offered at about 13s. 6d. per lb. with shipment, 13s. 4d., c.i.f.

CEDARWOOD.—1-cwt. lots of American are 7s. per lb., and Kenya, 4s. 6d.

COD-LIVER.—B.P. is 11s. 6d. per gall. in charged returnable drums. Veterinary is from 9s. 6d. per gall.

CORIANDER.—B.P. oil is quoted from 77s. 6d. to 85s. per lb.

FENNEL.—Spanish sweet on the spot is quoted at 10s. per lb. with Russian at 22s. 6d.

GERANIUM.—Bourbon is from 110s. per lb. on the spot.

GINGER. — English-distilled oil is 205s. per lb. Imported: Jamaican, 167s. 6d.; Chinese, 100s., duty paid.

JUNIPER BERRY. — B.P.C. oil is from 12s. 6d. per lb. and Jugo-Slavian, 14s. on the spot. English-distilled is 155s. JUNIPER WOOD, front 5s.

LEMON.—Prices of B.P. oil (4 per cent citral) vary greatly on the spot according to quality and range between 20s. and 31s. per lb. Californian, 28s. 6d. to 36s. 4d., c.i.f. as to quality, subject to licence.

LIME.—West Indian distilled is 45s. per lb. on the spot.

ORANGE.—Spot quotations of sweet oil include Floridan at 4s. per lb.; Californian, 9s.; West Indian, 7s. 6d.; South African, 7s.; West African, 16s. 6d. For shipment, proprietary brand Californian cold-pressed, U.S.P., 13s. 2d., c.i.f. Terpenecless is 200s. per lb., spot; and bitter 21s. 6d. per lb.

PALMAROSA.—East Indian, 47s. 6d., spot 41s. 6d., c.i.f.; Formosan, 40s.

PINE.—*Pumilionis* on the spot is from 16s. per lb.; *sylvestris*, 25s.; Siberian (*abietis*), 12s. 6d. to 15s.

ROSEMARY.—Spanish oil on the spot is 7s. 6d. per lb., duty paid.

SAGE.—Spanish is from 8s. 9d. to 9s. 6d. per lb. on the spot and Dalmatian, 30s.

SASSAFRAS. — Brazilian is 3s. 7½d. per lb., duty paid.

VETIVERT.—Spot is currently at about 95s. per lb.

UNITED STATES REPORT

NEW YORK, MAY 14: Bourbon VANILLA BEANS were higher at \$8.35 to \$8.50 a lb. against \$8.25 previously. TAMARINDS gained one cent to 12 cent a lb. Lower per lb. were GUM ACACIA at 19 cents (down three-quarters of a cent) and imported PEPPERMINT LEAVES at 85 cents (down five cents). CHAMOMILE FLOWERS continued quiet. AMON. ESSENTIAL OILS, Bourbon GERANIUM was up 25 cents to \$17.25 a lb. Lower per lb. were SANDALWOOD OIL at \$13.7 (down \$1) and Dalmatian SAGE, at \$3.85 (15 cents).

TRADE MARKS

APPLICATIONS ADVERTISED
BEFORE REGISTRATION

From the "Trade Marks Journal," May 1

For chemical products used in agriculture, horticulture and forestry; and manures (natural and artificial) (1)

Device with the word FLORAMIX, B756,066, by Beason Compost Co., Ltd., Talybont-on-Usk, Brecons.

For chemical products used in industry (1)
MESAMOLL, 756,068, by Farbenfabriken Bayer, A.G., Leverkusen, Germany.

For toilet soaps (3)
GAYL, B759,535, by Hudson & Knight, Ltd., London, E.C.4.

For all goods (3)
Device, 760,580, by Ever-Ready Razor Products, Ltd., London, W.C.1.

For perfumes, soaps, cosmetics and non-medicated toilet preparations (3)
FLIGHT OF FANCY, 762,052, by Beauty Counselors of London, Ltd., London, S.W.1.

For perfumes, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles, sachets for use in waving the hair, soaps and essential oils (3)
SATURDAY NIGHT, 762,112, by Thomas Hedley & Co., Ltd., Newcastle-on-Tyne.

For hair-waving lotions (3)
MADISOL BLOWAVE, 762,167, by Charles Alexander & Co., Ltd., Surbiton, Surrey.

For disinfectants and germicides (5)
FLORAZONE, 752,618, by Jeyes' Sanitary Compounds Co., Ltd., Chigwell, Essex.

For wadding for medicinal use, medical and surgical dressings, bandages, material prepared for bandaging; and menstruation pads and sanitary towels (5)
LANTOR, 758,025, by John Maarten Luxmoore, Manchester, 1.

For antibiotic preparations in capsule form containing chlorine (5)
CHLOROMYCETIN APLICAPS, 759,614, by Parke, Davis & Co., Detroit, Michigan, U.S.A., and Hounslow, Middlesex.

For pharmaceutical preparations for internal use (5)
SERENID, 759,754, by Roche Products, Ltd., Welwyn Garden City, Herts.

For x-ray contrast media for use in diagnosing disorders of the heart (5)
CARDIOSHADE, B760,437, by N.V. Dagra, Amsterdam, Holland.

For embrocation for animals (5)
Device with words ELLIMAN'S EMBROCA-TION FOR ANIMALS, THE LAME HUNTER, 760,052, by Elliman, Sons & Co., Ltd., Slough, Bucks.

For all goods (5)
YAK, 760,550, by Fisons Pest Control, Ltd., Felixstowe, Suffolk. DISTAFAC, 760,724, by the Distillers Co. (Biochemicals), Ltd., Speke, Liverpool. STILPHOSTROL, 762,337, by Ames Co., Inc., Elkhart, Indiana, U.S.A.

For disinfectants, deodorants and preparations for purifying air (5)
FLORET, 760,922, by Ultrac (Bradford), Ltd., Bradford, Yorks.

For pharmaceutical lozenges for the treatment of throat infections (5)
CETRIMETS, 761,675, by Katz & Robinson, Ltd., Leeds, 7.

For insecticides, larvicides, fungicides, and preparations for killing weeds and destroying vermin (5)
PILLAKILLER, 762,699, by Shell Petroleum Co., Ltd., London, E.C.3.

For veterinary preparations (5)
CONCEVAC, 762,731, by Evans Medical Supplies, Ltd., Liverpool.

For medicated wool (5)
FLAMOGEN, 762,965, by Robert Fred Parr, Wallgate, Wigan.

For lenses, optical apparatus and instruments, and parts and fittings for all such goods (9)
NISSEL, B761,751, by G. Nissel & Co., Ltd., Pinner, Middlesex.

WORLD TRADE

Increased Attendance at Hanover Fair. — About 1,100,000 visitors (17 per cent. more than in 1956) attended this year's German Industry Fair in Hanover. Producers of chemical goods and plastics said they received a substantial amount of new orders.

Indo-Australian Trade Co-operation. —Members of an Australian trade delegation to India said here at the end of a five-week tour recently, that the immediate results of their mission had "exceeded their expectations." Among the goods which they had ordered were large quantities of ginger and other spices.

German Company's South American Expansion. — Finishing plants for the products of Farbwerke Hoechst Co. are being built, or planned for construction at Chile, Brazil, Mexico, Colombia and Argentina under a special sales expansion drive in South and Central America. Professor Earl Winnacker (chairman) described the regions as highly promising markets. At present, the company owns overseas interests worth about DM25 millions and another DM30 millions will be needed for the projects abroad which are now under way. Last year the Farbwerke sales rose to DM1,480 millions (16.6 per cent. more than in the previous year). The rise in the first four months of 1957 was even higher

than the comparative period of 1956. Pharmaceutical products account for more than 11 per cent. of their total sales.

Aiding Spanish Exports. — Following the recently published Spanish Ministry of Commerce decree unifying exchange rates for foreign trade (C. & D., April 20, p. 449), it is now reported that further regulations concerning premiums and discounts for Spanish exports are soon to be published. Madrid banking quarters have been informed about a premium rate of 3 pesetas to the dollar and two discount rates of 11 and 6 pesetas respectively to the dollar or their countervalue in other currencies which are to be applied to exports of certain goods. In the case of the 3 peseta premium, which is paid on top of the present free market rate of 42 pesetas to the dollar, a non-official list of goods including chemical, pharmaceutical and perfumery goods has already been forwarded to local banks by the Foreign Currency Institute.

According to the same notification a discount of 11 pesetas per dollar (or similar discount in other currencies) is applied in the case (among others) of raw cork, olive oil in drums, and mercury, while one of 6 pesetas per dollar applies to tinned olive oil, and "herbs" of various types.

LOCAL OFFICERS

PHARMACEUTICAL SOCIETY

Aberdare and Merthyr. — *Chairman*, Mr. H. Parry; *Vice-chairman*, Mr. B. J. E. Jones; *Junior Vice-chairman*, Mr. G. Bowen; *Treasurer*, Mr. F. J. V. Harverson; *Secretary*, Mr. J. E. T. Jones, 8 Morris Street, Cwmaman, Aberdare, Glamorganshire.

Chesterfield. — *Chairman*, Mr. F. H. Wycherly; *Vice-chairman*, Miss M. Berry; *Treasurer*, Mr. H. E. Keetley; *Secretary*, Mr. A. Livesley, 35 Market Place, Chesterfield.

Exeter. — *Chairman*, Mr. R. F. Mitchell; *Vice-chairman*, Mr. T. G. King; *Treasurer*, Mr. R. C. Crisp; *Secretary*, Mr. J. H. Ward, c/o 10 Smythen Street, Exeter, Devon.

Harrogate. — *Chairman*, Mr. T. Moffatt; *Vice-chairman*, Mr. E. Whitelegg; *Treasurer*, Miss O. Windemer; *Secretary*, Mr. R. W. Jackson., 54 Harlow Crescent, Harrogate.

Portsmouth. — *Chairman*, Mr. N. L. Banks; *Vice-chairman*, Mr. R. E. Clark; *Treasurer*, Mr. A. G. Tatford; *Secretary*, Mr. A. C. Yoward, 18A Victoria Road, Emsworth, Hants.

West Kent. — *Chairman*, Mr. T. C. Clifton; *Vice-chairman*, Mrs. M. M. H. Wright; *Treasurer*, Mr. A. W. Jutton; *Secretary*, Mr. S. M. Lennox, Torduff, Pickhurst Rise, West Wickham.

NATIONAL PHARMACEUTICAL UNION

Epsom and Sutton. — *Chairman*, Mr. H. Sears; *Vice-chairman*, Mr. W. P. Woollatt; *Social Secretary*, Mr. E. Thompson, 39 Erskine Road, Sutton; *Secretary*, Mr. W. S. C. Coleman, 147 Cobham Road, Fetcham, Leatherhead.

NATIONAL ASSOCIATION OF
WOMEN PHARMACISTS

President, Miss M. C. Dodd, Liverpool; *Vice-president and news-letter editor*, Mrs. E. N. J. Jones, Rock Ferry; *Treasurer*, Miss O. W. Scarlett, Edinburgh; *Employment secretary*, Mrs. R. Quintrell, 182 Upper Richmond Road, London, S.W.14; *Secretary*, Mrs. N. Williams, 107 Wokingham Road, Reading.

Merseyside Branch. — *President*, Mrs. E. N. J. Jones; *Vice-president*, Mrs. M. Dalgarno; *Secretary*, Miss K. M. Roberts, 38 Princes Avenue, Liverpool, 8.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, May 20

ENFIELD CHEMISTS' ASSOCIATION, George inn, The Town, Enfield, at 7.30 p.m. Annual meeting.

Tuesday, May 21

HERTFORD BRANCH, PHARMACEUTICAL SOCIETY, Mayflower hotel, Hertford, at 8 p.m. Symposium and "brains trust."

Wednesday, May 22

EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Leytonstone library, Church Lane, London, E.11, at 8 p.m. Annual meeting; Branch Representatives' reports.

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY, Hopwood golf club. President's prize.

Thursday, May 23

BIOLOGICAL METHODS GROUP, SOCIETY FOR ANALYTICAL CHEMISTRY, research laboratories, Burroughs Wellcome & Co., Langley Court, Beckenham, Kent. Tour and demonstrations.

NEWCASTLE AND NORTHUMBERLAND BRANCH, PHARMACEUTICAL SOCIETY, Royal Station hotel, Nevill Street, Newcastle-upon-Tyne, at 7.30 p.m. Annual meeting.

THAMES VALLEY PHARMACISTS' ASSOCIATION, Kingston hotel, Kingston-upon-Thames, at 7.45 p.m. Mr. D. P. Ayres (Ilford, Ltd.) on "The Ilford Colour Process."

TUNBRIDGE WELLS BRANCH, PHARMACEUTICAL SOCIETY, Castle hotel, Tunbridge Wells, at 7.45 p.m. Annual meeting.

Friday, May 24

CROYDON PHARMACISTS' ASSOCIATION and BRANCH, Greyhound hotel, High Street, Croydon. At 7.45 p.m., annual meeting; at 8.30 p.m., talk by Dr. T. P. Rees.

PORTSMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Royal Beach hotel, Southsea, at 7.30 p.m. Branch representatives' reports; film show.

Saturday, May 25

GUILD OF PUBLIC PHARMACISTS, 36 York Place, Edinburgh, at 3.30 p.m. Annual meeting.

PRINT AND PUBLICITY

COMMERCIAL TELEVISION

PROGRAMME details are given to enable chemists to put in linking-up displays if they wish. Notice given is as far in advance of the programme date as can be guaranteed by the broadcasting companies.

Sunday, May 26

LONDON: Dabitoff. Gaylord Hauser extra potency yeast tablets. Rosedale Lanospray. Swandown Lip-Glo. Ibcot. Tru-Gel. Twink. Anne French products. Optrex eye lotion.

MIDLAND: Val-Pak cream beauty mask. Drene. Robinson's lemon barley water. Brylcreem. Alka-Seltzer.

NORTH: Val-Pak cream beauty mask. Dabitoff. Drene. Robinson's lemon barley water. Brylcreem.

ALL: Gibbs' S.R. tooth-paste. Max Factor products.

Monday, May 27

LONDON: Val-Pak cream beauty mask. White Rain lotion shampoo. Ibcot. Miragro. Gibbs' S.R. tooth-paste. Vinolia. Anadin. Anne French products.

MIDLAND: Dabitoff. Dip. Swandown Lip-Glo. Vaseline hair cream. Gleem tooth-paste. Brylcreem.

NORTH: Cephos. Air-wick. Pepsodent. Anadin. Gleem tooth-paste. Brylcreem.

ALL: Aspro. Pure Silvikrin.

Tuesday, May 28

LONDON: Cussons' cold cream soap. Sans Egal. Tru-Gel. Anadin. Optrex eye lotion. Brylcreem.

MIDLAND: Aspro. Swandown Lip-Glo. White Rain lotion shampoo. Gibbs' S.R. tooth-paste. Pepsodent. Drene. Max Factor products.

NORTH: Air-wick. Aspro. Sans Egal. White Rain lotion shampoo. Vaseline hair cream.

ALL: Vinolia. Gleem tooth-paste.

Wednesday, May 29

LONDON: Cussons' cold cream soap. Dr. Wermet's powder. Dip. Horlicks. San Egal. White Rain lotion shampoo. Ibcot. Gibbs' S.R. tooth-paste. Vinolia. Drene. Brylcreem.

MIDLAND: Air-wick. Snowfire waveset. Vinolia. Pepsodent. Drene. Robinson's lemon barley water. Alka-Seltzer.

NORTH: Cephos. Dip. Horlicks. Vaseline hair cream. Vinolia. Anne French products. Robinson's orange smash.

ALL: Aspro. Twink. Gleem.

Thursday, May 30

LONDON: Cussons' cold cream soap. Dip. Aspro. Miragro. Tru-Gel. Pepsodent. Drene. Brylcreem.

MIDLAND: Flit insecticide. Horlicks. Sans Egal. White Rain lotion shampoo. Vaseline hair cream. Gibbs' S.R. tooth-paste. Vinolia. Robinson's orange smash. Brylcreem.

NORTH: Dip. Aspro. Sans Egal. White Rain lotion shampoo. Gibbs' S.R. tooth-paste. Vinolia. Anadin. Robinson's lemon barley water.

ALL: Mothaks. Twink. Gleem tooth-paste. Knight's Castile.

Friday, May 31

LONDON: Flit insecticide. Air-wick. Spratt's ovals. Pure Silvikrin.

MIDLAND: Flit insecticide. Dabitoff. Dip. Aspro. Nervone. Pure Silvikrin.

NORTH: Cephos. Dip. Gibbs' S.R. tooth-paste. Twink. Anadin. Brylcreem.

ALL: Twink. Gleem tooth-paste. Drene.

Saturday, June 1

LONDON: Val-Pak cream beauty mask. Robinson's lemon barley water. Gaylord Hauser extra potency yeast tablets. Persomnia tablets. Swandown Lip-Glo. Ibcot. Miragro. Optrex eye lotion. Alka-Seltzer.

MIDLAND: Robinson's orange smash. Moorland antacid indigestion tablets. Linc-o-lin beer shampoo. Vaseline hair cream. Pepsodent.

NORTH: Robinson's orange smash. Moorland antacid indigestion tablets. Linc-o-lin beer shampoo. Vaseline hair cream. Pepsodent.

ALL: White Rain lotion shampoo. Air-wick. Fison's Ridweed. Horlicks. Sans Egal. Vita Glucose tablets.

Other products which are being currently advertised (but for which no day of showing has been notified) include: Demuth's Frozoclon, Frozoclon and solid flower perfumes. Rose's lime juice. Astral cream. Delsey toilet tissue.

PUBLICATIONS

Booklets and Leaflets

THE STANDARDISED DISINFECTANTS CO., LTD., 23 Sloane Street, London, S.W.1: "Products and Services." Pp. 12. Produced in English, French, Portuguese and Spanish.

WALPAMUR CO., LTD., 125 High Holborn, London, W.C.1: Shop fronts in colour. Pp. 16.

WHIFFEN & SONS, LTD., 95 Wigmore Street, London, W.1: "Some Uses of Allantoin" (8-p. booklet).

Showcards

EDME, LTD., 86 Regent Street, London, W.1: Six-colour showcard for Edme "autumn sun"



Wire display unit offered free by Thermos (1925). Ltd., Seymour Road, Leyton, London, E.10, with orders for jubilee flask parcel.

C. & D. WEEKLY LIST OF PRICES

A=Advanced; R=Reduced; I.R.P.=Inclusive Retail Price; *Tax 30 per cent.; †Tax 90 per cent.

BENGUE & CO., LTD. (from May 20)

	Each	
Dipasic tablets	100	12 0 R
	500	50 0 R
	1,000	95 0 R
	5,000	430 0 R

EVANS MEDICAL SUPPLIES, LTD.

		I.R.P.
Nobecutane	50 mls	15 9 A
spray container	100 mls	26 3 A
	300 mls	42 9 A
marking ink	50 mls	18 0 A

GLAXO LABORATORIES, LTD.

	Doz.	
Nicorbin tablets	189 0	21 0 R
(Allowance in adjustment of the price may be obtained by notifying to the company details of stock held.)		

MENTHOLATUM CO., LTD. (from May 10)

Mentholatum balm*	5 2	9 A
	16 6	2 3 A
nasal liquid*	18 0	2 6 A
inhalant capsules*	14 0	2 0 A

ROBERTS WINDSOR SOAP CO., LTD. (from May 6)

Roberts original brown Windsor soap*	1 1½ A
	2 3 A
bath disc*	5 4
Basket of Flowers soap*	11 A
bath size*	1 1 A
Jaslyn bath ovals*	2 1 A
V.I.P. baby powder*	1 11 A

P.A.T.A. LIST

(Alterations notified this week by the Proprietary Articles Trade Association.)

A. WANDER, LTD.

Ovaltine chocolate	5 0	6 R
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ADDITIONS TO THE LIST

WILLIAM FREEMAN & CO., LTD.

Suba Seal hot-water bottles:—		
Duchess No. 3, screw type	53 3	5 11



DISPLAY "DISPENSER": A showcard for the new Sans Egal lipstick (see C. & D., April 27, p. 459) which is available to stockists from the distributors (Scott & Bowne, Ltd., 50 Upper Brook Street, London, W.1). At the back of the card is a pocket which can hold twelve of the new size lipstick.

extract of malt with cod-liver oil. 23 x 17½ in. supplied with side panels 17 x 10 in.

TRUFOOD LTD., Wrenbury, Ches; Full colour photograph of a child's head by Leo Aarons, internationally famous photographer. Copy is kept to a minimum in this selling aid.

Periodicals

GERBERDING & Co., Holzminden, West Germany: Dragoco report. No. 4. Pp. 12.

MOND NICKEL CO., LTD., Thames House, Millbank, London, S.W.1: Nickel Bulletin, March. Pp. 18.

Catalogues

KODAK, LTD., Kingsway, London, W.C.2: Kodak dealer catalogue. Pp. 164. Kodak medical photographic catalogue. Pp. 107. Medical photographic supplement, April 1957. Pp. 102. Accessories for the x-ray darkroom. Pp. 12.

PRESS ADVERTISING

MORNY, LTD., Regent Street, London, W.1: Fine soaps, bath luxuries and perfumes. In national newspapers and leading women's journals.

Suba Star 53 3 5 11

WALLACE MANUFACTURING CHEMISTS, LTD.

Chologen tablets Nos. 1 and 2*	100	43 6	5 11
		Each	

Taumasthman tablets	60	90 0
	250	279 0

NEW PRODUCTS AND PACKS

BIOREX (MARKETING), LTD.

Tar-Biosone G.A. ointment*	Doz.	
25 gm.	58 4	8 9
Tar-Biosone G.A. ointment with salicylic acid*		
25 gm.	60 0	9 0
Biosone G.A. ointment with neomycin (non-greasy)*	25 gm.	72 0
Biosone G.A. vaginal pessary*	12	123 9

J. & J. COLMAN

Robinson's Sicilian lemon juice	12½ fl. oz.	24 3	2 6
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CUPAL, LTD.

Sooth-tan sun spray†		13 0
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EVANS MEDICAL SUPPLIES, LTD.

Midgley's Medisoap (sulphur, camphor and balsam Peru)*	15 9	2 3½
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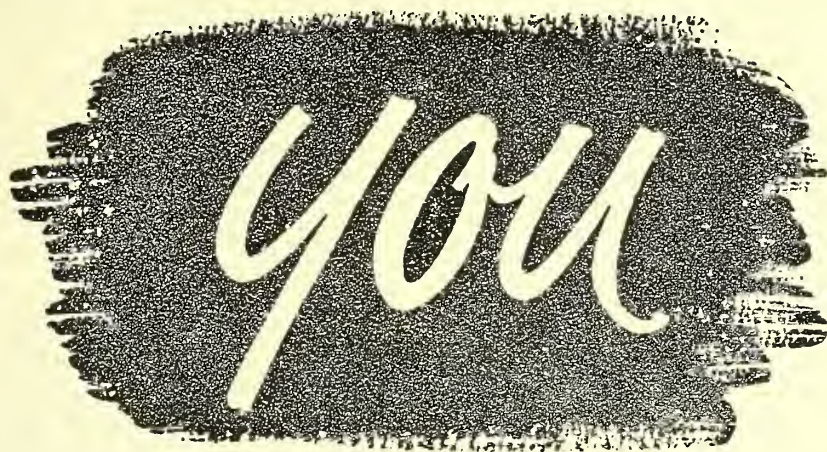
PARKE, DAVIS & CO., LTD.

Prednisolone, P., D. & Co., tablets	25	46 9
	100	180 0
	500	870 0

SANDOZ PRODUCTS, LTD.

Sandosten nasal spray		
10 mls		5 0
Sandosten plus calcium-Sandoz syrup	200 mls	10 6

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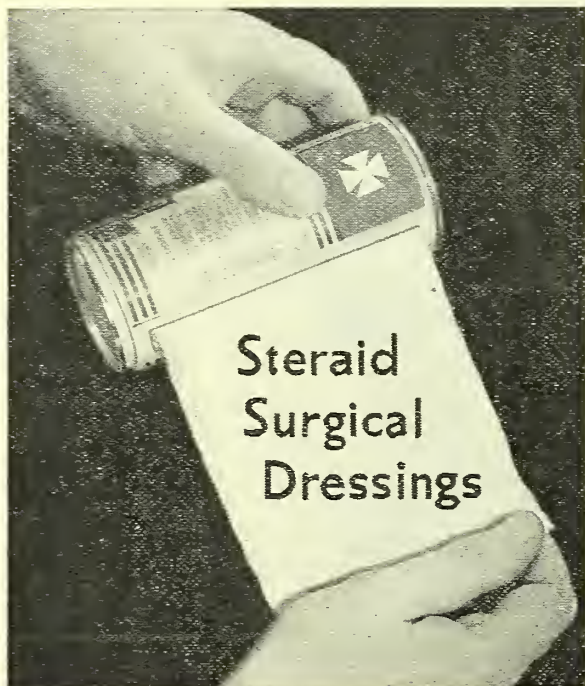
ENDOCIL hormone cream Tube: 5/7½d retail (inc. P.T.)

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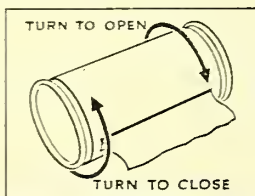


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Single Inguinal	„ 15/6
Double Inguinal.....	„ 24/-
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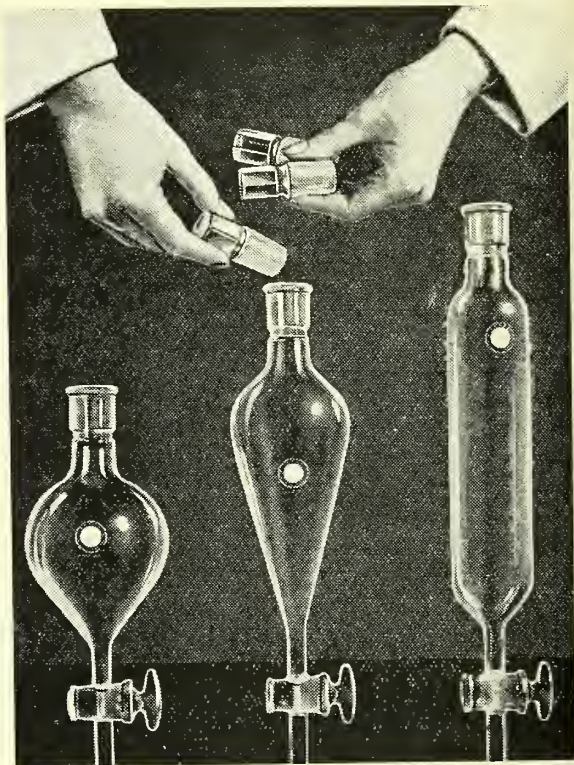
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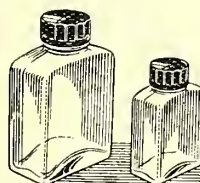
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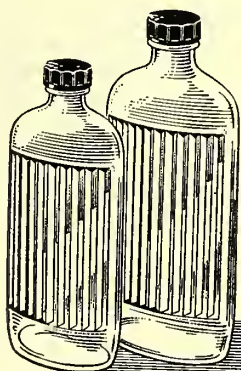
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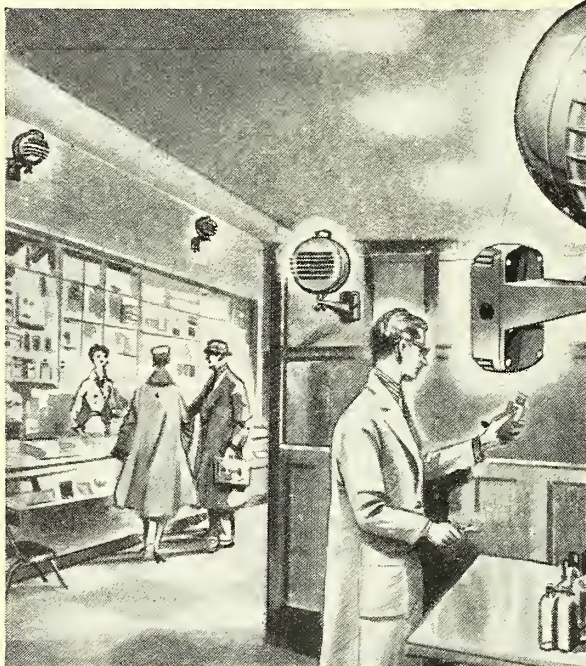


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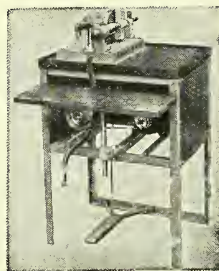
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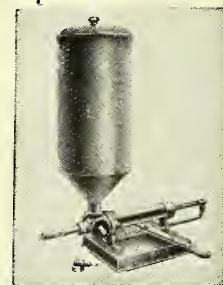
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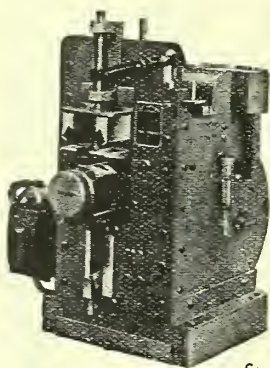
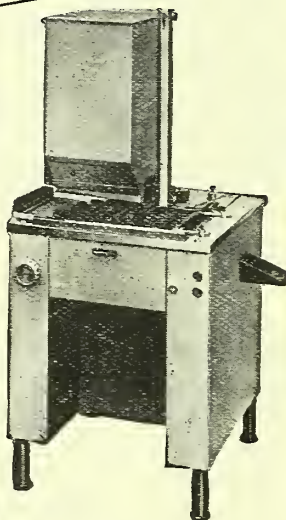
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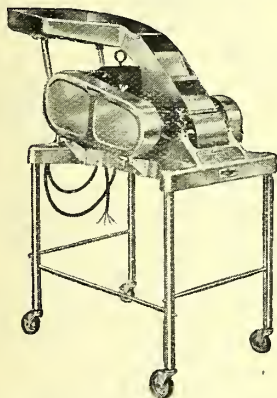
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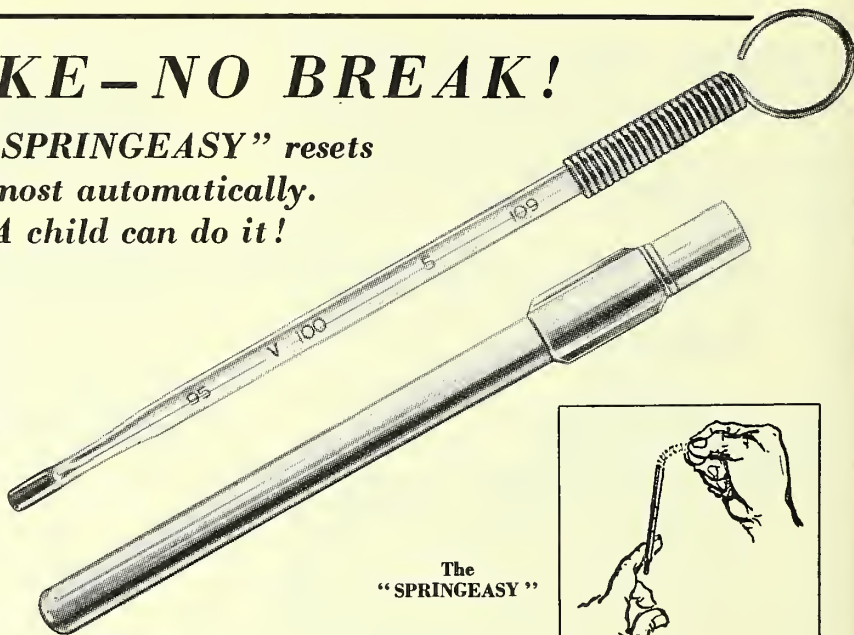
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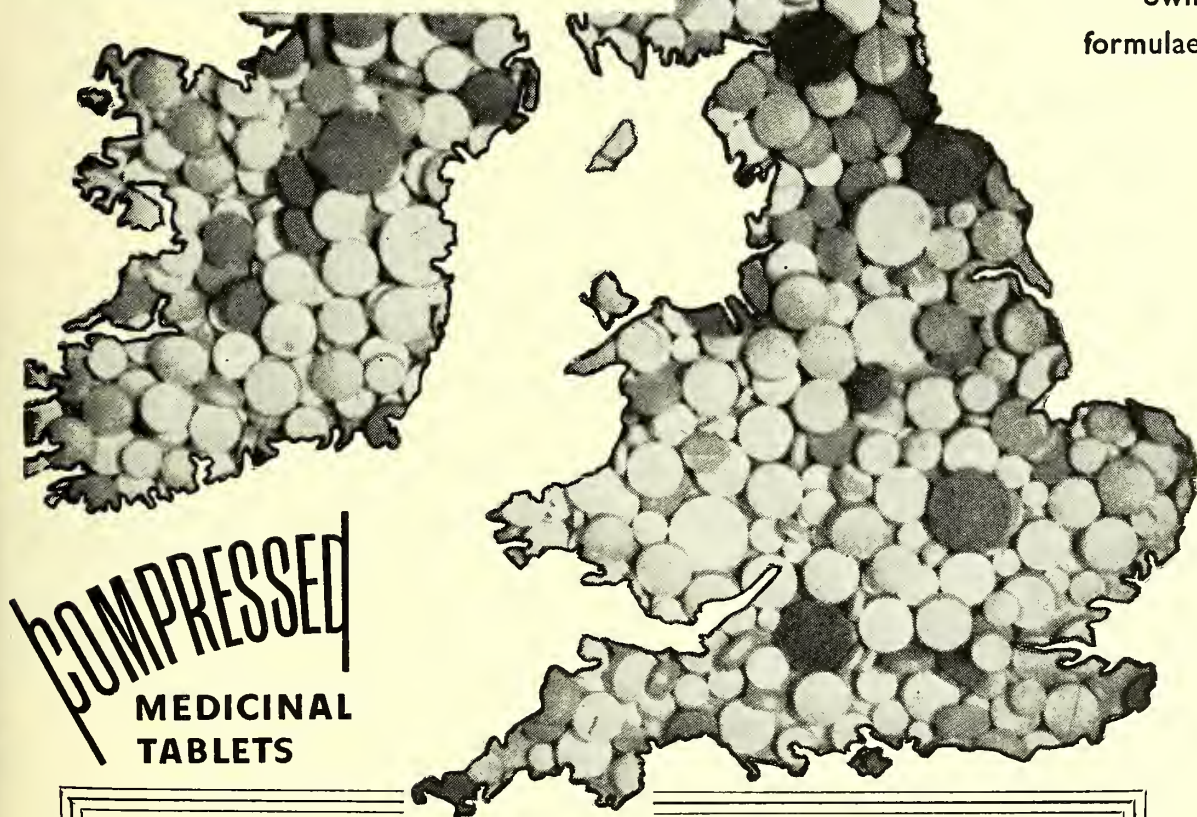
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Here's a line that puts a sparkle into *every* smile—will be welcomed by smokers everywhere — will bring you a steady demand all the year round.

Sharpens like a pencil.

Order a supply today and see how quickly they sell!



Each pencil supplied on its own miniature showcard.

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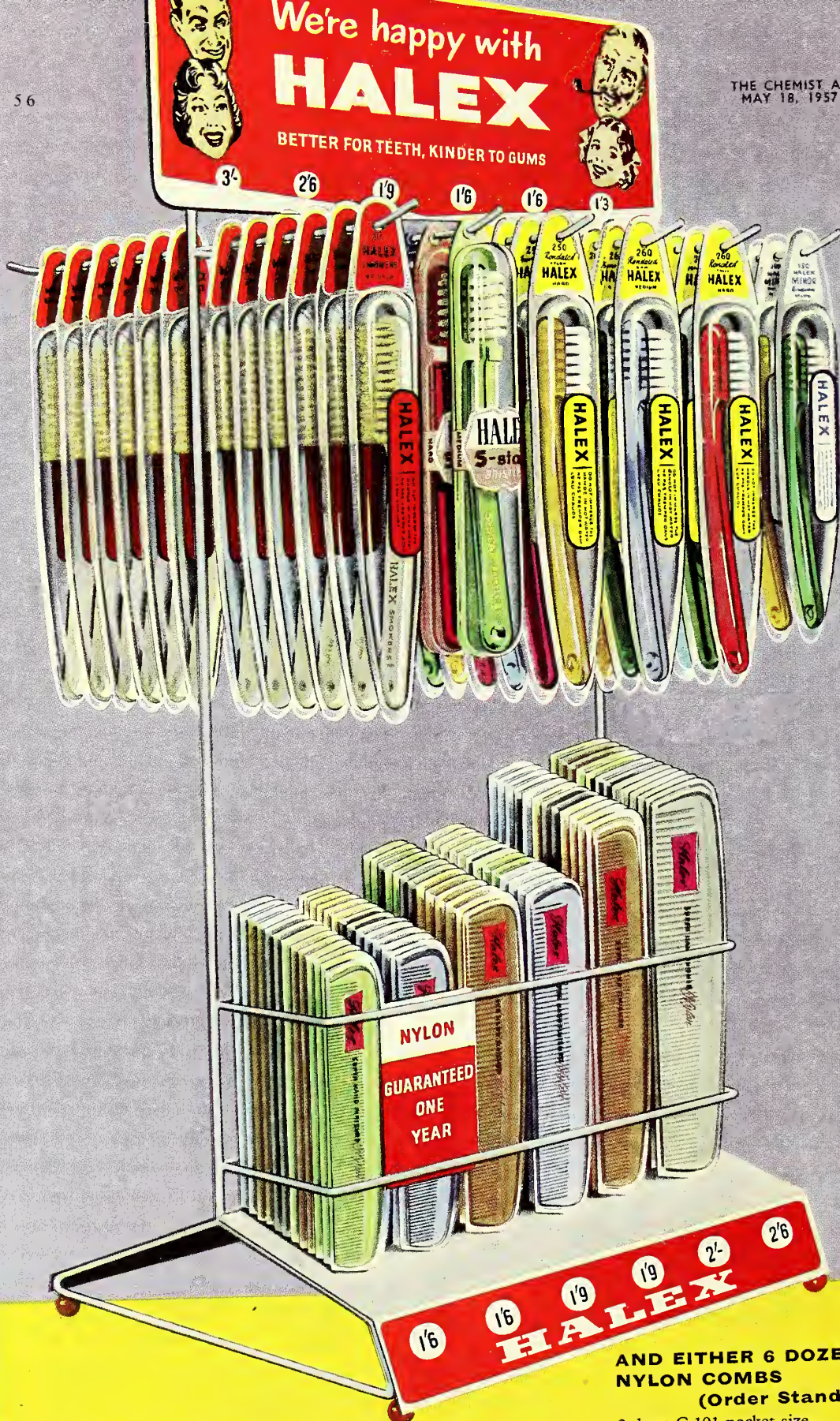


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- 1 doz : A.211 "Smoker's".
- 1 doz : A.265 "5-Star" bristle (half hard, half medium).
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**AND EITHER 6 DOZEN
NYLON COMBS
(Order Stand A.633)**

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- 2 doz : C.202 gents' or bag size.
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- 1 doz : C.405 7" all-fine-tooth.

**OR 6 DOZEN
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This eye-catching comb-and-toothbrush counter service unit **FREE**

THE CHEMIST AND DRUGGIST,
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PLUS
a special 5%
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Save space—display two products in one compact unit!

It holds six dozen best-selling Halex toothbrushes (hard and medium, nylon and bristle, "Smoker's" and child's—a brush for every member of the family!) and six dozen Halex combs (nylon or acetate). The stand is **FREE** with every order for the six dozen combs and six dozen toothbrushes it contains—and you'll also receive a *special 5% bonus discount* on your order if you place it before July 31st!



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For extra business
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display these brands
your counters, in your
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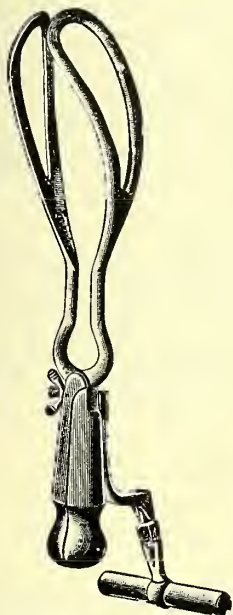
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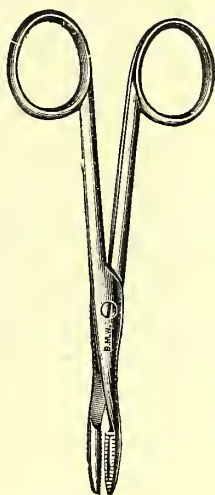
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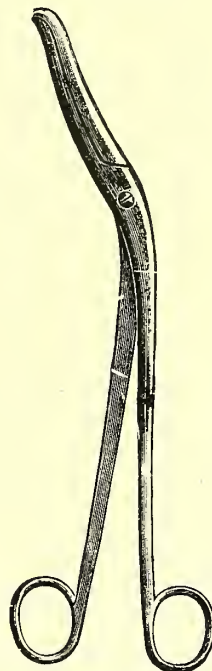
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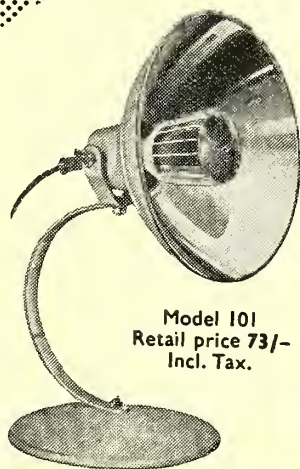
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makers of sanitary towels for over 70 years

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CHARFORD MILLS, BIRMINGHAM, 8

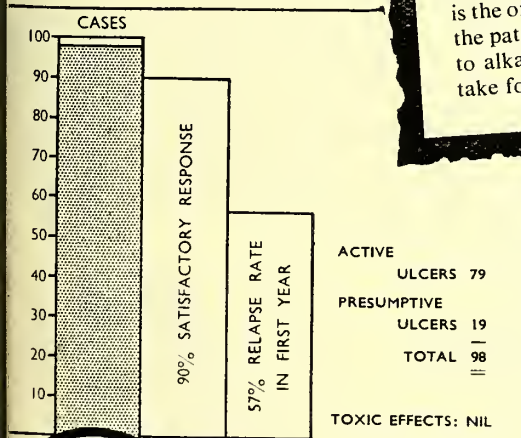
An assessment of Roter therapy in PEPTIC ULCER

"...Satisfactory response in 90% of cases."

Roter tablets contain a balanced content of recognised buffers with supportive carminative and mildly laxative agents.

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Magnesium Carbonate (400 mg.), Bismuth Subnitrate (350 mg.), Sodium Bicarbonate (200 mg.), Rhizoma Calami (25 mg.), and Cortex Rhamni frangulae (25 mg.).



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"The immediate clinical results were assessed after the first month's treatment in four main groups: (A) pronounced relief (symptom free); (B) definite relief (minor symptoms with no pain); (C) doubtful relief (symptoms persisting but improved); (D) no relief.

"Table II shows that 81% of cases became symptom-free—70% of them during the first week and 30% during the second week; a further 9% were relieved of the majority of their symptoms. Thus there was a satisfactory response in 90% of cases.

TABLE II

Group	Active Ulcers	Presumptive Ulcers	Totals
A	63 (79.6%)	17 (89.0%)	80 (81.7%)
B	8 (10.2%)	1 (5.5%)	9 (9.2%)
C	6 (7.6%)	1 (5.5%)	7 (7.1%)
D	2 (2.5%)	0 (—)	2 (2.0%)
TOTALS	79 (100%)	19 (100%)	98 (100%)

"Four of the nine cases in groups C and D have elected to go to surgery, and one of the remaining cases has a hiatus hernia as well as a duodenal ulcer. Experience of treating these 'Failures' over the past six years leads one to believe that no form of medical treatment will be effective and that surgery is the only hope of relieving their symptoms. In 75% of cases the patients were of the opinion that the tablets were superior to alkaline powders, and they found that they were able to take foods which they had avoided for years."

Extracts from the
BRITISH MEDICAL JOURNAL
1955, 2, 827

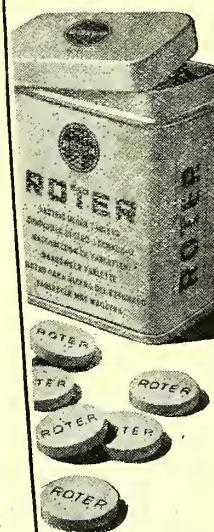
"SUMMARY: Seventy-nine cases of peptic ulcer and 19 of presumptive peptic ulcer have been treated with Roter tablets. Immediate clinical response was satisfactory in 90% of patients, with a relapse rate of 57% in the first year; a reduction in the average number of relapses was recorded in 15 cases kept on a maintenance dose for one year."

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Obtainable from your usual wholesaler.

Roter Tablets are not advertised to the public, and may be prescribed on E.C.10 forms. Literature and samples on request.

F.A.I.R. LABORATORIES LTD., TWICKENHAM, MIDDLESEX



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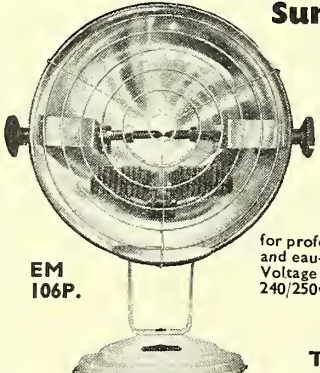
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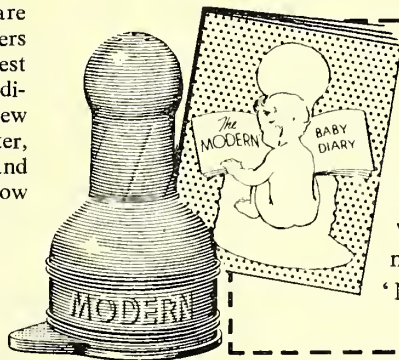
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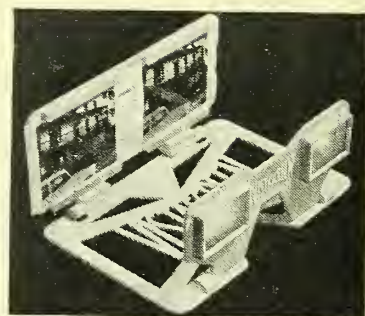


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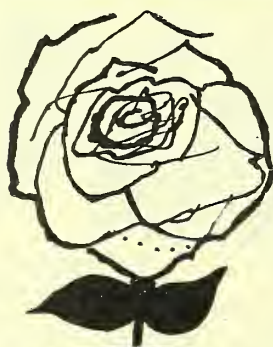
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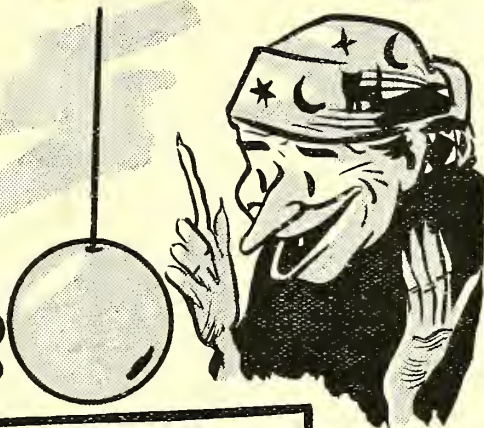
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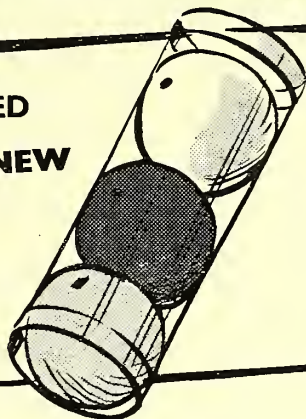
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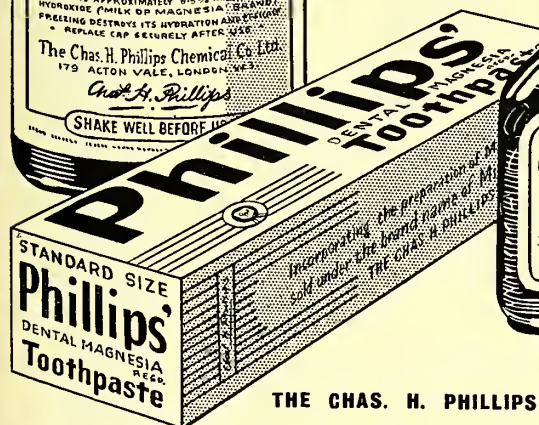
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*The BIOLOGICAL treatment for
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With ENTEROFAGOS most cases of Diarrhoea respond rapidly to treatment. Colitis, Enteritis, Entero-colitis, Typhoid and Paratyphoid Fevers, Bacillary Dysentery, B. Coli Infections, Food Poisoning are equally responsive to its treatment.

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From the 6th May to the 11th June, 15 second spots will be shown twice a week over the full I.T.V. network. And there will be lots of 5 second spots too! This is in addition to a full-scale press campaign with frequent large-size insertions in the national press and a wide range of women's magazines.

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- (2) The furniture, fittings and fixtures which are modern and include glass display counters and wall fittings, cash register, personal weighing machine, fluorescent fittings and usual chemists' sundries, etc.
- (3) The Stock in Trade including well assorted chemists' stock, toilet accessories and fancy goods, etc.

For further particulars and arrangements to view apply to Walter & W. B. Galbraith, Chartered Accountants, 87 St. Vincent Street, Glasgow, C.2 (Central 7783), with whom offers should be lodged not later than Tuesday, May 21, 1957. The highest or any offer may not be accepted. C 6580

PREMISES TO LET

LARGE D.F. shop to let in busy high street N.W. London. Long lease, reasonable premium. Write Box C 6598.

BUSINESSES FOR DISPOSAL

OURNEMOUTH. Freehold shop with living accommodation in expanding residential area served by chemist. Excellent opportunity in pleasant surroundings. Particulars from G. J. Urneaux, Limited, 251 Barrack Road, Christchurch, Hants. C 4657

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WE WISH to purchase a number of proprietary medicine or allied businesses. Size immaterial. Please address all communications, which will be treated in strictest confidence, to Managing Director, Clivedon Corporation, Ltd., Abford House, Wilton Road, London, S.W.1. C 4599

APPOINTMENTS

ASHFORD GROUP OF HOSPITALS

Chief Pharmacist

Applications are invited for the appointment of Chief Pharmacist to the Ashford Group of Hospitals.

Salary Scale, Category III, £785 a year x £30 (2)—£845 a year x £35 (2)—£915 a year x £40 (3)—£1,035 a year x £35—£1,070 a year.

Applications giving full particulars, as to age, qualifications, experience and the names and addresses of two referees should be sent to the Hospital Secretary, Willesborough Hospital, nr. Ashford, Kent, to reach him by not later than May 25, 1957. C 6575

BRENTWOOD GROUP HOSPITAL MANAGEMENT COMMITTEE

Locum Pharmacist

required at Harold Wood Hospital, 20 minutes' journey from Liverpool Street Station. Whitley Council conditions and salary by arrangement. Temporary accommodation can be provided for single person if required.

Applications stating age and experience, with names of two referees to the Chief Pharmacist, Harold Wood Hospital, Harold Wood, Essex (Tel.: Ingrebourne 2881). C 6582

CENTRAL MIDDLESEX HOSPITAL,

PARK ROYAL, N.W.10

Assistant-in-Dispensing

Applications are invited for the above post. Applications stating age, qualifications and experience, together with the names of two referees to Medical Director immediately. C 6563

BRENTWOOD GROUP HOSPITAL MANAGEMENT COMMITTEE

Deputy Chief Pharmacist

Applications invited for Deputy Chief Pharmacist at Harold Wood Hospital, which is 20 minutes' journey from Liverpool Street by electric train services. The appointment will include relief duties at other hospitals in the Group as required. Salary Scale, £675 p.a.—£910 p.a. Whitley Council conditions of service. Temporary accommodation can be provided if required. Applications, stating age and experience, together with the names of two referees, should be sent to the Chief Pharmacist, Harold Wood Hospital, Harold Wood, Essex, as soon as possible. C 6583

CENTRAL MIDDLESEX HOSPITAL,

PARK ROYAL, N.W.10

Post-graduate Pharmaceutical Students (2)

required for one year. Vacancies June and September. Applications stating age, qualifications and experience, names two referees to Medical Director immediately. C 6564

CLARE HALL HOSPITAL, SOUTH MIMMS, BARNET, HERTS

Assistant-in-Dispensing

required. Whitley Council rate of pay, plus London Weighting. Applications to Medical Director. C 322

CANTERBURY GROUP HOSPITAL MANAGEMENT COMMITTEE

Deputy Chief Pharmacist

Applications are invited for the appointment of Deputy Chief Pharmacist to the Group Pharmaceutical Department (Category IV hospitals). The department, which is situated at the Kent and Canterbury Hospital, serves the eleven hospitals and clinics in the area. Salary £675 rising by annual increments to a maximum of £910 per annum. Applications with full details and the names of two referees to be addressed as soon as possible to the Group Secretary, Central Office, Nunnery Fields Hospital, Canterbury. C 6589

CLARE HALL HOSPITAL, SOUTH MIMMS, Nr. BARNET, HERTS (405 beds for diseases of the chest)

Senior Pharmacist

required. Whitley Council scale, including London Weighting (also £25 per annum for higher qualification if appropriate). Department serves other hospitals.

Applications, stating age, qualifications, experience and giving names of two referees, to be sent to the Medical Director. C 312

CRUMPSALL HOSPITAL, MANCHESTER, 8

Pharmacist

A vacancy exists for a pharmacist. Whitley Council conditions apply. Please apply by letter to the Hospital Administrator as soon as possible. C 6532

HACKNEY HOSPITAL, LONDON, E.9

Assistant-in-Dispensing

(experienced) required. Apply Group Secretary, above address, as soon as possible. C 6572

HIGHBURY HOSPITAL, BULWELL, NOTTINGHAM

Pharmacist

Applications are invited for Pharmacist. Full-time. The post offers opportunity to obtain experience in general pharmaceutical work. Salary and conditions of service in accordance with the Pharmaceutical Whitley Council Regulations. Applications, stating age, qualifications, and names of two referees to be sent to the Hospital Secretary as soon as possible. C 6551

HOSPITALS FOR DISEASES OF THE CHEST, THE LONDON CHEST HOSPITAL

Pharmacist or Senior Pharmacist

Applications are invited for the post of pharmacist or Senior Pharmacist at the London Chest Hospital. Salary in accordance with the Whitley Council scales. Applications, stating age, qualifications and experience, accompanied by two testimonials should be addressed to the House Governor, London Chest Hospital, E.2. C 6552

Appointments—Continued**HOSPITALS FOR DISEASES
OF THE CHEST,
LONDON CHEST HOSPITAL, E.2****Locum Pharmacist**
required immediately for an indefinite period.
Applications to House Governor. C 6553**KIDDERMINSTER GENERAL
HOSPITAL****Assistant Pharmacist**
required. Whitley Council scale of pay and conditions of service. Applications, in writing, together with age, experience and qualifications to the Hospital Secretary. C 6573**MEDWAY & GRAVESEND
HOSPITAL MANAGEMENT
COMMITTEE,
ST. BARTHOLOMEW'S HOSPITAL,
ROCHESTER, KENT
(201 beds)****Pharmacist**
required for busy general hospital; good experience. Recognised salary scale and conditions of service. Applications, giving full details of experience and names of two referees, to the Hospital Secretary. C 6569**MOORFIELDS EYE HOSPITAL****Assistant-in-Dispensing**
Applications are invited for the position of Assistant-in-Dispensing at this Hospital. Salary in accordance with Whitley Council scale, plus London Weighting. Hours of duty 8.30 a.m. to 4.30 p.m. (Sat. 1 p.m.). Applications should be addressed to the Chief Pharmacist, Moorfields Eye Hospital, City Road, London, E.C.1. C 6591**MID-SUSSEX HOSPITAL
MANAGEMENT COMMITTEE,
CUCKFIELD HOSPITAL,
CUCKFIELD,****Near HAYWARDS HEATH
(easy access London and South Coast)**
Pharmacist
required in Group Pharmacy at Cuckfield Hospital. Whitley Council salary and conditions. Applications stating age, nationality, experience and qualifications, with names of two referees to Group Secretary. C 6585**MOORFIELDS EYE HOSPITAL
(Category V)****Senior Pharmacist**
Applications are invited for the post of Senior Pharmacist at this Hospital. Salary in accordance with Whitley Council scale, plus London Weighting. Hours of duty 8.30 a.m. to 4.30 p.m. (Sat. 1 p.m.). Applications with names of two referees should be addressed to the Chief Pharmacist, Moorfields Eye Hospital, City Road, London, E.C.1. C 6590**PINEWOOD HOSPITAL,
NINE MILE RIDE,
WOKINGHAM****Locum Chief Pharmacist**
required from August 26 to September 14. Salary £16 16s. per week. Resident post if required. Applications to Secretary. C 6549**ROYAL FREE HOSPITAL,
GRAY'S INN ROAD, W.C.1****Locum Pharmacist**
required at the above hospital during June and July. Salary 16 guineas per week. Applications, together with names and addresses of two referees, should be addressed to Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, W.C.1. C 6537**SOUTH MANCHESTER H.M.C.,
WYTHENSHAW HOSPITAL,
MANCHESTER, 23****Locum Pharmacist**
required July 8–13 inclusive. Salary £16 16s. per week. Applications immediately to the Administrative Officer. C 6578**SOUTH-WEST DURHAM
HOSPITAL MANAGEMENT
COMMITTEE****Chief Pharmacist**
required at Holywood Hall Hospital, Wolsingham. Salary £725-£990 per annum plus £25 if holding higher qualifications. N.H.S. conditions and superannuation. Application forms from the undersigned to be returned by May 20.
K. G. T. LUXFORD,
Group Secretary/Finance Officer. C 6597**ST. ALBANS CITY HOSPITAL,
NORMANDY ROAD,
ST. ALBANS, HERTS
(384 beds)****Senior Pharmacist**
Applications are invited for the post of Senior Pharmacist (Category III) at the above busy general Hospital within easy reach of Central London. Whitley Council salary and conditions. Applications stating age, qualifications and experience to the Chief Pharmacist. C 6581**WEST LONDON HOSPITAL,
HAMMERSMITH ROAD, W.6****Senior Pharmacist**
Applications invited for the above post to take charge of production, sterile preparations and stores at the above-mentioned general teaching hospital of 230 beds. Whitley Salary Scales and conditions. Detailed applications to Secretary. C 6541**WOOLWICH GROUP HOSPITAL
MANAGEMENT COMMITTEE****Locum Pharmacist**
required at St. Nicholas Hospital, Tewson Road, Plumstead, S.E.18 (Tel.: Woolwich 1441). Salary £16 16s. per week. Apply to the Chief Pharmacist at the hospital. C 6600**SITUATIONS VACANT****RETAIL (HOME)****ASSISTANT PHARMACIST:** Applications are invited from male or female pharmacists to fill vacancy which has arisen. Duties mainly at Central Pharmacy but also required to act as Relief Manager at branches when occasion arises. Excellent opportunity to acquire and extend varied experience and knowledge of management with prospects of further promotion. A first-class salary will be offered to suitable applicant. Apply Superintendent Chemist, Leeds Industrial Co-operative Society, Ltd., Pharmacy Department, 6 Albion Street, Leeds, 1. C 4668**BRENTWOOD.** Managing pharmacist required for modern and attractive business. The post provides substantial salary structure and good supporting staff. There is attractive and modern accommodation available above this branch. Applications in first instance to Chief Pharmacist, London Co-operative Chemists, Ltd., Grange Road, Leyton, E.10. C 4663**CHEMIST OPTICIAN** required to take control of very busy main street pharmacy with good optical practice attached in south-east London. Good supporting staff. A good knowledge of C.P.C. work is essential. Superannuation scheme. Excellent salary and future prospects. Please give all details of age, previous experience, etc., to Managing Director, Arnold M. Gee, Ltd., 12 High Street, Colliers Wood, London, S.W.19. C 4660**EXPERIENCED**, unqualified assistant for dispensing and counter. Full particulars to Shaws, 781 Fulham Road, S.W.6. Phone: Renown 3161. C 4651**LONDON.** Pharmaceutical chemist required to manage substantial business in an attractive suburb. The position provides full scope for initiative and advancement. An adequate incentive will be provided along with a substantial basic salary. The successful candidate will be eligible for the company's superannuation scheme and accommodation can be provided. Apply, stating full details and when available for interview to Box C 4664.**LONDON, N.W.** Pharmacist required as Branch Manager for easily run pharmacy in pleasant district. Salary £900, plus very generous commission. Apply with particulars to Mr. Dermot McErlcan, 30 Rosslyn Hill, London, N.W.3. C 4630**UNUSUAL** opportunity for pharmacist to take full charge of pharmacy just about to be completely modernised and refitted in Clapham Junction area. Living accommodation. Good salary and superannuation scheme. Increasing prospects with control of an up-to-date pharmacy already doing a large turnover. Give full particulars of age, previous experience, etc., to Managing Director, Arnold M. Gee, Ltd., 12 High Street, Colliers Wood, London, S.W.19. C 4661**YORK CO-OPERATIVE CHEMISTS SOCIETY, LTD.** require pharmacists, ladies or gentlemen, for permanent progressive positions as branch managers. Good wages and conditions. Apply, Superintendent Chemist, York Co-operative Chemists Society, Ltd., 22 Railway Street, York. C 327**LOCUMS WANTED****LONDON.** Locum tenens pharmacists are required to undertake a tour of duties in the London area. There is a substantial salary and expense structure and varying periods would be acceptable. Applications in first instance to Chief Pharmacist, London Co-operative Chemists, Ltd., Grange Road, Leyton, E.10. C 4665
PHARMACIST required for branch relief for period June 3 to August 31, inclusive. Permanent position available either immediately or at end of period if preferred. Full particulars to Superintendent Chemist, York Co-operative Chemist Society, Limited, 22 Railway Street, York. C 4626**RETAIL (OVERSEAS)****NORTHERN RHODESIA**

INCREASED business and an extensive expansion policy enables a well-established firm of retail and wholesale chemists to offer progressive positions to pharmacists and unqualified assistants.

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Accommodation—On a rent-free basis.**Leave Conditions :—**

40 days per annum with travelling expenses at the rate of £200 (married) and £100 (single) after the first contract of 3 years' satisfactory service. 30 days leave per annum may be accumulated for a maximum period of 3 years, and 10 days must be taken locally depending on the exigencies of the service.

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Passages and train fare paid to Northern Rhodesia on understanding that employees remain for 3 years. Should any employee resign in the interval a pro rata proportion of the passage and train fare becomes repayable.

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The minimum per month for the 1st, 2nd and 3rd year respectively will be :—

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Qualified :	£80	£90	£100
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Write in confidence, giving fullest details as to age, qualifications, experience, marital status, etc., to :—

**The Secretary,
Holdsworths (Chemists), Limited,
P.O. Box 20,
BROKEN HILL,
Northern Rhodesia.** C 6527**WHOLESALE****CHIEF CHEMIST****BOB MARTIN, LTD.,** and Associated Companies require an experienced Scientist (about 30-40 years) for this executive position. The appointment covers direction of both the Control Laboratory and, in association with the Companies' consultants, a full research programme. Candidates should have a degree or qualification in both pharmacy and chemistry with some experience in a branch of industrial pharmacy. Commencing salary according to qualifications and experience. There is a non-contributory pension with life assurance scheme. Applications, detailing experience, should be sent, in strictest confidence, to Managing Director, Bob Martin, Ltd., Southport, Lancashire. C 6586**CALMIC, LIMITED,** are expanding their technical sales department and require applicants to fill these posts. Applicants should have a sound medical or nursing background with teaching ability, capable of writing medical literature and have some knowledge of outside work necessary in the Technical Sales promotion of the company's medical preparations. Pension scheme. Applicants should state experience and salary required. Replies to be sent to the Sales Director, Calmic, Ltd., Crewe, Cheshire. C 6594

SALES MANAGER— PHARMACEUTICAL DIVISION

British Schering Limited have a vacancy for a Home Sales Manager in the Pharmaceutical Division. Applicants aged 30-40 years should have had at least four years' experience of sales management in the industry, and preferably have spent some time as medical representatives.

They should in particular be conversant with the drafting and implementation of Sales promotional programmes in their broadest aspects. The post provides full scope for initiative and advancement and an adequate incentive will be provided. Candidates will be eligible for the Company's superannuation scheme. The salary will be dependent on the experience and qualifications of the successful applicant.

Applications should be addressed in confidence to the Sales Director, British Schering Limited, 229/231 Kensington High Street, London, W.8.

C 6544

McCLURE, YOUNG & CO., LTD.

have a vacancy for a full-time representative for part of London and Home Counties. New car supplied, all expenses paid, good salary and commission.

Prospects excellent for a directorship in a popular independent drug House.

Apply Managing Director, Elgar 5424.

C 6566

Situations Vacant—Continued

A VACANCY exists for an experienced pharmacist (age group 30-45 years) to act as works manager for manufacturing chemists in the London area. Good salary, five-day week. Pension scheme. Apply Box C 6576.

CLINICAL PRODUCTS, LTD., of Richmond, Surrey, invite applications for the post of medical representative in a territory based on South Wales. Previous experience is not essential and an interest in medical matters and an ability to converse intelligently with members of the medical profession are an acceptable alternative to a pharmaceutical qualification. Applications in writing, giving full details of career to date and other relevant information including salary required, should be addressed to: The Manager, Medical Department, Clinical Products, Ltd., Richmond, Surrey. C 6593

Due to continued expansion a Pharmaceutical Company of International repute has vacancies for Medical Representatives in the following areas:—

Northern Ireland,
Glasgow and Edinburgh,
Sheffield,
Hampshire and Berkshire,
Bristol,
London.

These positions offer considerable scope in a young and progressive company to young men with pharmaceutical qualifications or pharmaceutical background.

A good commencing salary will be paid and a car will be provided.

The company operates a generous non-contributory pension and life assurance scheme.

Applications, giving age, full details of career to date, etc., to Box C 6530, quoting reference G7/26.

DRUGS COUNTER-HAND required by S.E. London chemical manufacturers. Apply in writing to Works Manager, Box C 6602.

GENATOSAN, LIMITED, a Member of the Fisons Group

requires a Chemists' Representative for a territory consisting substantially of Wiltshire, Gloucestershire, Herefordshire, Worcestershire and Shropshire. Applicants must have pharmaceutical qualification or background or good selling experience in a similar field. Successful applicant will be expected to reside on the territory, preferably near Bristol or Gloucester.

This vacancy arises due to the present representative transferring to another territory. The post is well remunerated and superannuated. Any existing holiday arrangements will be respected. Applications in confidence must contain full details of age, education and experience, and be addressed to the Personnel Officer, Genatosan, Limited, Loughborough. Please quote Ref.: 23.

C 6529

GOLDEN opportunity for representatives to handle two established French perfume houses. Must have a connection with stores, chemists and hairdressers in the following areas: North and Midlands, South Wales and West Country, East Coast, London and Home Counties, South Coast. Write full details and state if car available. Box C 6577.

LANCASHIRE & CHESHIRE REPRESENTATIVE

Experienced representative required for two counties to detail range of ethical products to doctors and also sell to chemists. Salary, expenses and commission. Company car provided. Contributory pension scheme. Apply giving full details of experience to Box C 6574.

PHARMACIST FOR PACKAGING INVESTIGATION

SMITH & NEPHEW RESEARCH LTD., who are the Research and Development Organisation for Smith & Nephew Associated Companies, manufacturers of surgical plasters, bandages and dressings, industrial adhesive tapes, cosmetic and toilet products, ethical pharmaceutical preparations, sanitary protection, etc., have a vacancy for a Pharmacist for packaging work. A Packaging Section is being formed and the successful candidate will, within the framework of the divisional operation of the Company, assist in the technical development of the Section. Applicants, whose age should not be over 35 years, should have a pharmaceutical qualification. Experience in packaging techniques and knowledge of packaging materials would be an asset. Commencing salary will be according to age, qualifications and experience, but will be not less than £750 p.a. The company works a five-day week and operates a contributory pension scheme. Write to: The Technical Secretary, Smith & Nephew Research Ltd., Hunsdon Laboratories, Ware, Herts.

C 6603

MEDICAL REPRESENTATIVES

A leading Pharmaceutical Company invites applications from experienced medical representatives for the following vacancies:—

1. West London, including Harley Street.
2. Cambridgeshire, Norfolk and Suffolk.
3. Warwickshire (excluding Birmingham) and Worcestershire.

Applicants should be pharmacists of good experience. The commencing salary offered will be £1,250 for applicants having at least five years' experience. A new car will be provided and generous expense allowance given. A good pension scheme exists. The advertisers desire to appoint first-class men who would be assured of security of tenure and ample opportunity for promotion in a friendly organisation.

Applications will be treated with utmost confidence and should contain full personal details. Box C 6595.

LEADING IMPORTER/EXPORTER/DISTRIBUTOR has opening for young man as sample clerk, previous experience not essential, but interest in chemistry an advantage. Reply Box C 315.

MEDICAL REPRESENTATIVE required to cover Yorkshire/Durham/Northumberland area. Applicants between 25 and 40 years of age will be considered and a good pharmaceutical background is an important asset. Previous experience as medical representative not essential as full instruction will be given. Please state age and salary required. Box C 326.

MEDICAL REPRESENTATIVES

Due to the expansion of business, Sandoz Products, Ltd., invite applications from young men for the appointment of Medical Representative in the following areas:—

- (1) N.E. London and Essex.
- (2) North Scotland.
- (3) Glasgow and West Scotland.

Attractive salary according to qualifications and experience. Superannuation scheme in operation. Thorough training given. Applicants should be either physicians or pharmacists. Please send full details of age, education, qualifications and experience, together with a photograph (which will be returned), to Sandoz Products, Ltd., Pharmaceutical Department, 134 Wigmore Street, London, W.1.

C 6588

OLD-ESTABLISHED company of manufacturing chemists require manager to take charge of production lines at their factory on the west side of London. Previous experience in similar capacity, knowledge of works study, modern packaging equipment and methods is essential. Position is pensionable and offers scope for advancement. Write in the first instance, giving age and details of experience with indication of salary required to Box C 6587.

OLD-ESTABLISHED manufacturing chemists in Midlands require a young qualified chemist or A.R.I.C. with manufacturing experience for laboratory control. Good prospects. Five-day week. Apply stating age, experience and salary required to Box C 4659.

PROCESS WORKER required for S.E. London galenical manufacturers. Apply in writing to Works Manager, Box C 6601.

Situations Vacant—Continued

REPRESENTATIVE required by London firm dealing in all surgical and hospital requirements. Area to be covered would be London, Greater London and Home Counties. Good salary and all reasonable expenses to suitable applicant. Apply for appointment, Box C 6599.

REPRESENTATIVE WANTED

REPRESENTATIVE required to call on chemists in North and East London, selling nationally known sanitary towels, surgical dressings, and chemists' sundries; salary, commission and expenses, Box C 4618.

REPRESENTATIVE required to take over established connection with retail and wholesale chemists, etc., in Staffordshire, Warwickshire, Shropshire and Worcestershire selling nationally advertised cosmetics showing steady increase in turnover. Must be car owner and live on territory. Liberal salary, commission and expense allowances. Extra petrol available. Write fully, stating present earnings, to Box 4196, Frost-Smith Adv., 64 Finsbury Pavement, London, E.C.2. C 6547

REXALL DRUG COMPANY LIMITED

require an experienced representative, preferably with connection among retail pharmacists in the Middlesex and Oxon area. Applicants should be of pleasing personality and appearance, age 27-40 years, and capable car drivers. Good salary, plus commission; full reimbursement of expenses; company car provided; contributory pension scheme in operation. Applications, which will be treated as strictly confidential, to Sales Manager, Rexall Drug Company Limited, Loughborough. C 6539

SENIOR PHARMACIST

required with administrative ability fully competent to supervise the manufacture of pharmaceuticals, including tablets and sterile solutions. Experience in modern large-scale production essential. Good promotion prospects. Five-day week. Pension scheme. Applications in writing to the Technical Director, C. J. Hewlett & Son, Ltd., King George's Avenue, Watford, Herts. C 6565

TELEPHONE order clerk (female) used to pharmaceutical and general items. Apply Drivers, Lee Green, Ltd., 27 Eltham Road, S.E.12, or phone Lee Green 6781. C 6666

TOILET preparations manufacturers require fully experienced representative for chemists and high-class stores, Eastern area. Car owner preferred. Write fully in confidence. Box C 4632.

TWO experienced representatives are required by manufacturers of high quality toilet soaps and beauty preparations, to call on chemists, hairdressers and perfumery departments in the following areas: (1) London, Middlesex, Essex, (2) Yorkshire, Nottinghamshire, Derbyshire, Lincolnshire, Norfolk. Salary, commission and all expenses paid. Car provided. Contributory pension scheme. Only men with good chemist connection should apply. Box C 4647.

WORKS CHEMISTS. May & Baker, Ltd., Dagenham, Essex, due to expansion and staff promotions, have vacancies for two Works Chemists for control of chemical plant and processes. Applicants should be of B.Sc. standard, with a thorough grounding in organic chemistry. Candidates will be considered from students completing their course this summer. Salary according to qualifications and experience. Prospects are excellent for candidates with appropriate personality and flair for production work. Apply initially in writing, quoting reference No. 79, to the Personnel Officer. C 6542

AGENTS WANTED

AGENT required for East Midlands and Lincolnshire to handle nationally advertised cosmetics showing steady increase in turnover. Established connections with wholesale and retail chemists, etc. Generous commission. Write in confidence to Box 4194, Frost-Smith Adv., 64 Finsbury Pavement, London, E.C.2. C 6546

PHOTOGRAPHIC part-time representatives wanted. Company expanding field activities require agents to sell to chemists' photographic departments. Excellent commission, Box C 4646.

AGENTS requiring additional lines are offered scissors, tweezers and nail files at generous commission rates for sale direct to retail establishments in selected areas by a reputable firm of Sheffield manufacturers. Details in the strictest confidence to Box C 4652.

AGENTS for Ethical Products with promising future. Closed territory and existing accounts given. Best connection in Birmingham and Staffs, but accounts exist throughout United Kingdom. Must have first-class connection with chemists. Medical connection an asset. Box C 4655.

**SITUATIONS WANTED
WHOLESALE**

GENTLEMAN at present Sales Office Manager with well-known manufacturer of ethical preparations desires change with more scope for improvement. Box C 4662.

REPRESENTATIVE covering South Coast for manufacturing chemist, in position to introduce non-competitive lines. Replies: Ivins, c/o 10 Criss Grove, Chalfont St. Peter, Bucks. C 4658

REPRESENTATIVE

Experienced pharmaceutical and medical representative with excellent knowledge of all aspects of the trade and with long-standing connections in Yorkshire, Nottinghamshire and Derbyshire will be free June 1 to take up suitable post with manufacturer or wholesaler of high repute. Apply Box C 4650.

SALES EXECUTIVE (42) with 26 years' experience of practical selling, sales promotion, marketing mainly consumer goods through wholesale and multiple grocery outlets on national and provincial basis. 24 years' established and personal connections throughout Lancashire, desires change. Used to large turnover, negotiations at all levels, keen, energetic and loyal personality. Clean current licence. Box C 4667.

AGENCIES WANTED

ADVERTISER, with 25 years' connection with trade in City and West End seeks agencies for promoting reputable advertised lines in that area. Box C 4642.

BUSINESS OPPORTUNITIES

OUR FACTORY AT YOUR DISPOSAL. We have modern facilities for the production, under your own Brand, of preparations like bath cubes, bath salts, powder in envelopes, perfumes, talcum powder, etc., as well as technical products, e.g., disinfectant blocks, moth repellants and agricultural tablets. Write Box A.C.26825, Samson Clarks, 57-61 Mortimer St., W.1. C 314

WANTED

LARGEST CASH BUYERS of photographic equipment of every description, outdated film and paper, etc. Spears, 14 Watling St., Shudehill, Manchester, 4. Phone: Blackfriars 1916. Bankers: Midland Bank, Ltd. C 306

MEDICAL BOTTLES, tablet bottles, closures and all types of packaging materials purchased, no quantity too large. Samples and full details to Noel Davold & Co., 9 Laurence Pountney Lane, Cannon Street, E.C.4. Mansion House 3951-2. C 178

ointment MILL, production model, in good condition and working order with or without motor. 230 or 440 volts, a.c. Box C 4648.

UP to 20 gross 80-90 oz. N.C.M. plain winchesters, W.G., P.G., or amber. Box C 6592.

WANTED. Supplies of acetone, aluminium paste, anatase and rutile titanium. Box C 6579.

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone:—Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.: Bayswater 4020 and 7692. C 140

MISCELLANEOUS SALES

FOR SALE. 2 cwt. T.P. stearic acid block at 1s. per lb. Terpinol app. 90 lb., at 1s. 6d. per lb. 6 cwt. wool grease F.F.A., at 30s. per cwt. French lavender oil 20 lb., 30s. per lb. Yaffe's, 6 Park Hill, Old Road, Prestwich, Lancs. C 4649

100 BAYS of brand new adjustable steel shelving, 72 in. high by 34 in. wide by 12 in. deep, stove-enamelled bronze green. Sent knocked down—6 shelf bay—£3 15s. Sample delivered free. Quantity discounts. N. C. Brown, Ltd., Eagle Steelworks, Heywood, Lancs. Telephone: 69018. C 6554

**SPRING GAY FASHION
JEWELS
FREE LIST FROM
L. FRANKENBERG, LTD.,
37 HOUNDSDITCH,
LONDON, E.C.3**

C 269

VACFIL bottle filler, complete with twin overflow cylinders, pump/motor, polythene feed and discharge pipes, stainless steel, £45. Powder filler, positive spiral thrust feed, adjustable shot, complete with $\frac{1}{2}$ h.p. motor, £50. Dawsons, Brimscombe, Stroud. C 4654

TENDERS**DEWSBURY, BATLEY AND
MIRFIELD HOSPITAL
MANAGEMENT COMMITTEE**

Tenders are invited for the supply of:

(a) **DRUGS**—for the period August 1, 1957, to July 31, 1958.

(b) **DRESSINGS**—for the period August 1, 1957, to July 31, 1958.

Forms of tender and details of approximate quantities may be obtained from the Supplies Officer to the Committee at the address below. Sealed tenders must be received by mc not later than 10 a.m., Monday, June 3, 1957.

GEO. W. BATCHELOR,

Group Secretary.

20 Oxford Road,
Dewsbury, Yorks. C 6584

MISCELLANEOUS

BETTER DUPLICATE BOOKS at lower prices. Specialist equipment enables us to produce attractive, specially printed duplicate books at amazingly low prices. List free. Brown, Ltd., Caldervale Works, Burnley, Lancs. C 318

JODEZ (MANCHESTER), LTD., for fashion jewellery. Just arrived from abroad, the newest lines for summer trade, 4,000 designs to choose from. Parcels from £10 upwards, c.o.d. or approval. References, Jodez (Manchester), Ltd., 8 Shudehill, Manchester, 4. C 6514

OVERALLS. If you are interested in smart, high-class overalls, including Nylon, write for our new illustrated catalogue free. Ernest Draper & Co., Dept. (T), Northampton. C 6481

THE CATHOLIC PHARMACEUTICAL GUILD is open to all engaged in any sphere of pharmacy. Branches at London, Birmingham, Leeds, Manchester, Newcastle, St. Helens, Edinburgh and Glasgow. This year is the Silver Jubilee of the Guild. A Fund has been inaugurated to provide Chaises for the Foreign Missions to celebrate the Silver Jubilee. Donations and inquiries to John Loughlin, 1191 Dumbarton Road, Glasgow, W.4. C 4617

WILL those firms interested in booking rooms in a Maidstone hotel to hold a "Xmas Fair" for chemists the second week in September, please contact A. A. France, 27 Roxley Road, S.E.13. Lee Green 2832. C 4656

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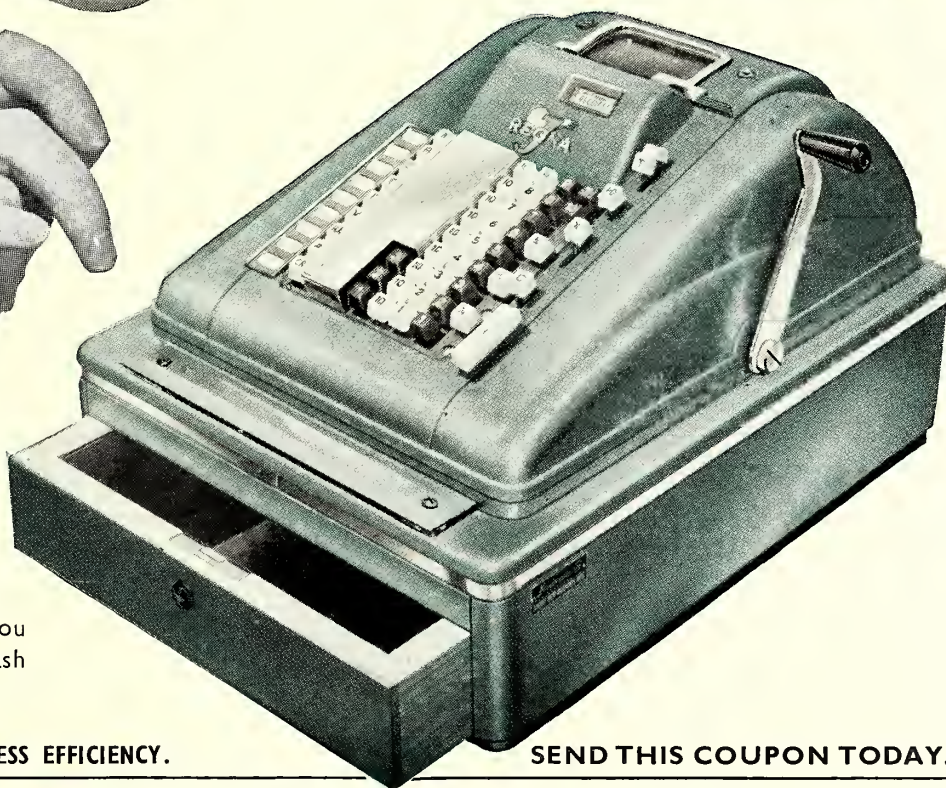
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